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PREFACE

This guide is for use by personnel who create and attach radio frequency (RF) tags and military shipping labels (MSLs) on Army equipment. Formal training in Transportation Coordinator Automated Command and Control System (TC ACCIS) and/or Transportation Coordinators' Automated Information Management System II (TC-AIMS II) is necessary to create RF tags and MSLs. The system currently in use – TC ACCIS - is an installation-based process where the expertise, hardware, and software are centralized in the Installation Transportation Offices in CONUS. TC-AIMS II is now being used in Europe. The transition to TC-AIMS II and DS2T will allow some of the process to be accomplished at the unit level, but the tag write stations will most likely continue to be located at a central location.

Intransit visibility of Army shipments using the radio frequency (RF) tag technology is not prescribed in current Army policy. There remains a wide range of challenges before we are able to achieve the desired level of visibility for all unit cargo and sustainment. The material in this guide has been compiled from a number of sources with the purpose of outlining universal guidelines for the creation and use of RF tags and MSLs. The rationale for publishing the material in this format rather than a more formal manual is to facilitate the rapid inclusion of guidance and procedures as they are developed from lesson learned.

The proponent of this manual is the Deployment Process Modernization Office, US Army Transportation School, Fort Eustis, Virginia. Send comments and recommendations directly to the Deployment Process Modernization Office at dpmo.doctrine@eustis.army.mil.

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Section 1

Automatic Identification Technology Overview

INTRODUCTION

1-1. Historically, commanders have faced two major challenges in the deployment process. One, they had limited or no real visibility of what units were in the deployment pipeline or when these units would reach the area of operations. Two, because of the lack of visibility, commanders had no efficient method of redirecting movements or shipments as the operational situation developed. The lack of visibility resulted in a loss of confidence by commanders at all levels in the ability of the transportation and supply systems to effectively support their operations.

1-2. Effective management of force projection operations can be enhanced by the use of automatic identification technology (AIT). AIT is a suite of enabling technologies that supports the deployment community in executing force projection operations. When combined with web-enabled automated information systems (AIS), AIT assists in providing accurate and timely in-transit visibility (ITV) data.

1-3. This guide provides units and supporting activities with:

- Instructions to deploying units for obtaining radio frequency (RF) tags and military shipping labels (MSLs).
- Procedures for the installation/theater supporting activity to create RF tags and MSLs.
- Procedures to submit data and query the system.
- Instructions for attaching RF tags and MSLs to vehicles, containers, and pallets.

SCOPE

1-4. This guide supports soldiers, leaders, and staffs who deploy or monitor deployment operations and supplements material published in the FM 3-35 (100-17) series. Section 1 discusses the purpose of the guide, scope, description of the system, and AIT responsibilities of various agencies; Section 2 outlines the procedures required to create RF tags and MSLs; Section 3 explains the means used to access ITV information; and Section 4 defines the placement of RF tags and MSLs on vehicles, containers, and pallets.

THE AIT SYSTEM

1-5. **AIT Deployment Environment** – During deployments the Army can expect to operate in a Joint environment. There are numerous AIT devices available within DoD and the Army to support deployment missions. These devices capture and report arrival

and departure of movements to the Global Transportation Network (GTN). The two primary factors required for the AIT system to achieve accurate tracking are:

- The initial source data must be accurate. This information is used to create AIT data storage devices (RF tags and MSLs) and to populate GTN.
- The AIT infrastructure must be established throughout the deployment pipeline to capture data on the arrival and departure of equipment and forces. The data capture will be used to update AIT and force tracking records and to verify the accuracy of advanced information received through automated information systems.

1-6. **AIT System Components** – The basic components for AIT use are:

- **Storage Device** - An AIT data storage device (RF tag/MSL) containing essential transportation and supply data is printed or created. The data storage device is then attached to equipment. The information on the AIT data storage device is also present in an automated information system. The data in the automated information system is passed to web-enabled AIS that provide global asset/movement visibility.
- **Collection Device** - As the piece of equipment moves through the deployment pipeline, the data on the storage device is collected by strategically located AIT interrogators, scanners, and readers. They provide an efficient, rapid, and virtually error free capture and transfer of movement data.
- **Communication/Processing System** - After collecting the data on the storage device, the interrogator, scanner, or reader passes the information to a host automated information system. The host automated information system passes the data to a web-enabled worldwide information system that provides near real-time in-transit visibility and force tracking data to the logistics and warfighting communities.

1-7. **AIT/AIS Communications** - To provide timely AIT and force tracking data, AIT must work in conjunction with, and enable automated information systems. To accomplish this, planners must position AIT data collection devices so they can accurately collect data on all movements passing their location and then rapidly provide that data to web-enabled automated information systems. DoD and the Army are working on the development of support systems that will achieve total command and control and asset visibility. MACOMs, Army commands, and agencies supporting the deployment process must develop plans that allow AIT enabling tools to capture and rapidly pass movement data.

1-8. **Capturing Initial Source Data** - Accurate and complete initial source data must be entered in automated information systems before the deployment begins. For units, this means ensuring the DEL in TC-ACCIS is accurate and up-to-date. In addition, plans must be established to ensure RF tags and MSLs are produced using the data in TC-ACCIS. Once produced, these AIT data storage devices must be attached to the proper piece of equipment and then scanned/interrogated to verify readability and accuracy. Once source data is verified, plans and procedures must be in place to ensure the

information is passed to other automated information systems. The requirement to ensure accurate source data is captured in AISs and AIT data storage devices at the origin cannot be overemphasized.

RESPONSIBILITIES

1-9. **Department of Army** – The Department of the Army should develop and disseminate policy on the implementation and use of AIT. As a minimum this policy should specify the intent of the system and the types of materiel, equipment and supplies that should be tagged during deployment and sustainment operations. Moreover, DA will provide the initial funding for implementation of the process.

1-10. **MACOM** – The MACOM should:

- Develop and disseminate implementing instructions for AIT in accordance with Army policy.
- Provide funding to purchase the necessary equipment and supplies to sustain the system.
- Provide funding for training of AIT personnel.

1-11. **Installation** – The installation should:

- Develop and maintain an AIT infrastructure, to include equipment and staff.
- Secure a sufficient number of RF tags to support deploying units.
- Issue RF tags to deploying units.
- Create RF tags and MSLs for deploying units.
- Collect RF tags from units returning from deployments.
- Deactivate, maintain, and store RF tags.

1-12. **Theater Support Activity** – The theater support activity should:

- Develop and maintain an AIT infrastructure, to include equipment and staff.
- Secure a sufficient number of RF tags to support additional needs of redeploying units.
- Issue additional RF tags to redeploying units.
- Create RF tags and MSLs for redeploying units.

1-13. **Unit** – The unit should:

- Maintain accurate deployment equipment list (DEL).
- Deploy with current copy of DEL.
- Attach RF tags and MSLs to vehicles, equipment, and containers as directed.
- Deactivate RF tags once the deployment is completed and retain tags for redeployment.

Section 2

Procedures for Creating RF Tags and MSLs

INTRODUCTION

2-1. RF tags and MSLs are the storage devices containing data that triggers the ITV process. In order for the process to operate properly accurate and complete data must be written on the RF tags and MSLs. The purpose of this section is to outline the procedures for the creation of the RF tags and MSLs.

2-2. The procedures for creating RF tags and MSLs will be explained for each of the three systems – TC ACCIS, TC-AIMS II, and DS2T in the succeeding paragraphs. These guidelines may be supplemented by command policy.

Part 1 Creating Radio Frequency Tags

2-3. Radio frequency tags are an element of a suite of technologies that enables the automatic capture of source data enabling the ability to document, identify, track, and control deploying forces, equipment, and sustainment cargo. There are three types of Savi (commercial manufacturer) tags (SEAL and Models 410 and 412) currently in use by the Army that are shown in Figure 2-1. The Transportation Coordinator Automated Command and Control Information System (TC-ACCIS) is the system now used to generate the data to write tags in Total Asset Visibility Intransit Processing Station (TIPS). The Transportation Coordinators' Automated Information Management System II (TC-AIMS II), the projected replacement for TC ACCIS, and the Deployment Sustainment and Support Tool (DS2T) also generate the data required to write tags and labels.

Figure 2-1 SAVI RF Tags



TC-ACCIS

2-4. Currently, at CONUS installations and in USAREUR and USARPAC, all tag writing is usually done at central locations provided by the ITO. This is primarily driven by equipment and trained personnel. At some installations you can prepare the data file to write tags in your unit area and then report to a write station for actual preparation of the tag.

2-5. In preparation for redeployment from an austere theater the Army transportation element (e.g. movement control battalion or movement control team) will coordinate for the write station location and access to the data files (DEL) in TC ACCIS. There is no existing policy or doctrine that assigns this function to a specific organization.

2-6. The following elements are necessary to prepare RF tags using TC ACCIS:

- Access to TC ACCIS
- An approved Deployment Equipment List
- A quantity of RF Tags usually available at the ITO/movement control team (MCT)
- A data file created in accordance with movement instructions in TC ACCIS
- A Military shipment label (MSL)
- Registered write station with docking station or interrogator

2-7. Logon to TC ACCIS and go to Main Menu. Select 1 Equipment List Processing (Figure 2-2).

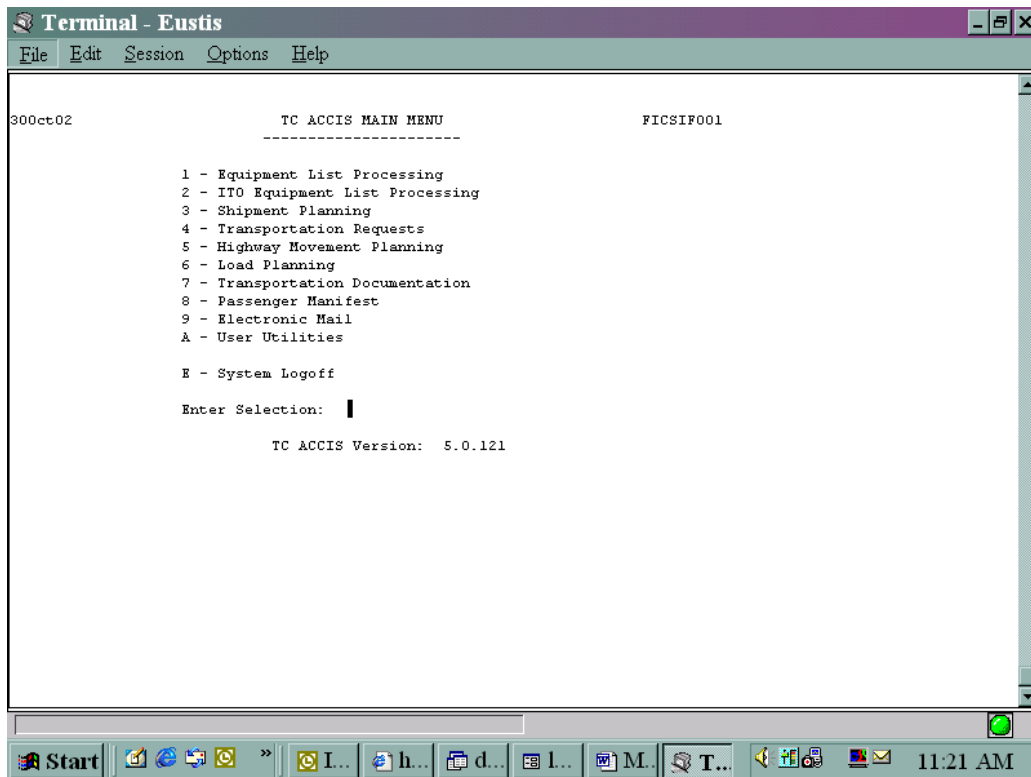


Figure 2-2 TC ACCIS Main Menu

2-8. From the Equipment List Processing screen select 7 ATCMD (Figure 2-3) and press ESC.

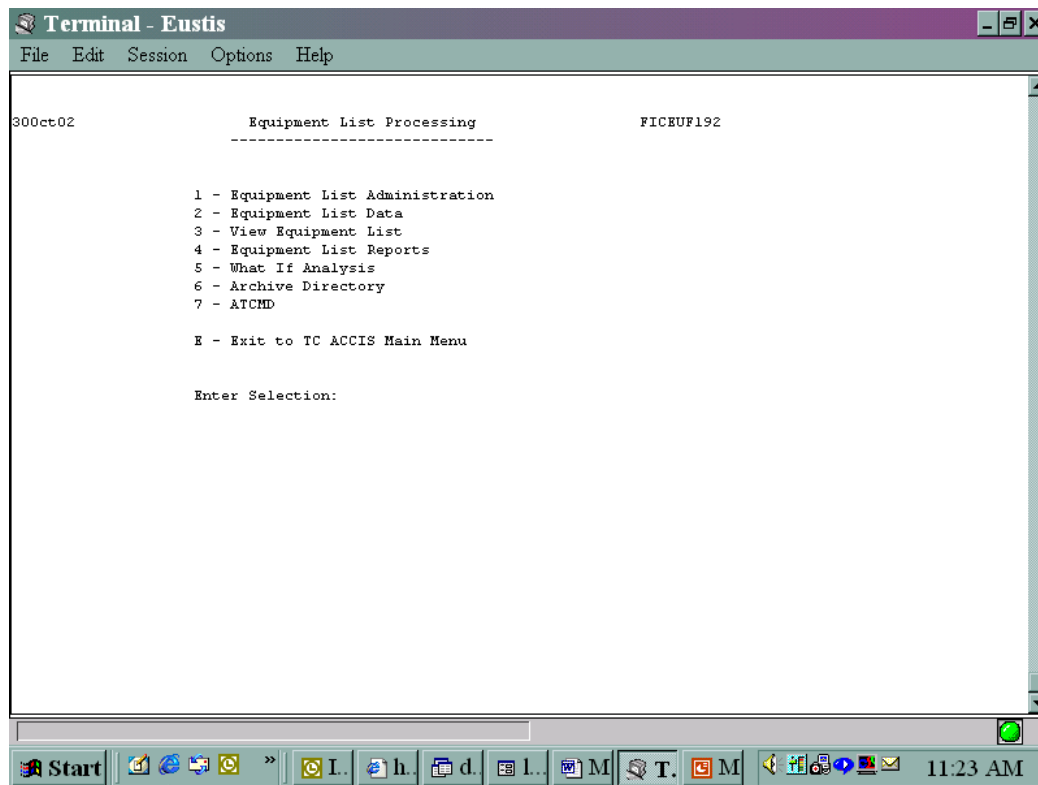


Figure 2-3 Equipment List Processing

2-9. From the ATCMD screen enter the Type Data code assigned to the DEL for which you want to create tags (Figure 2-4) and press ESC.

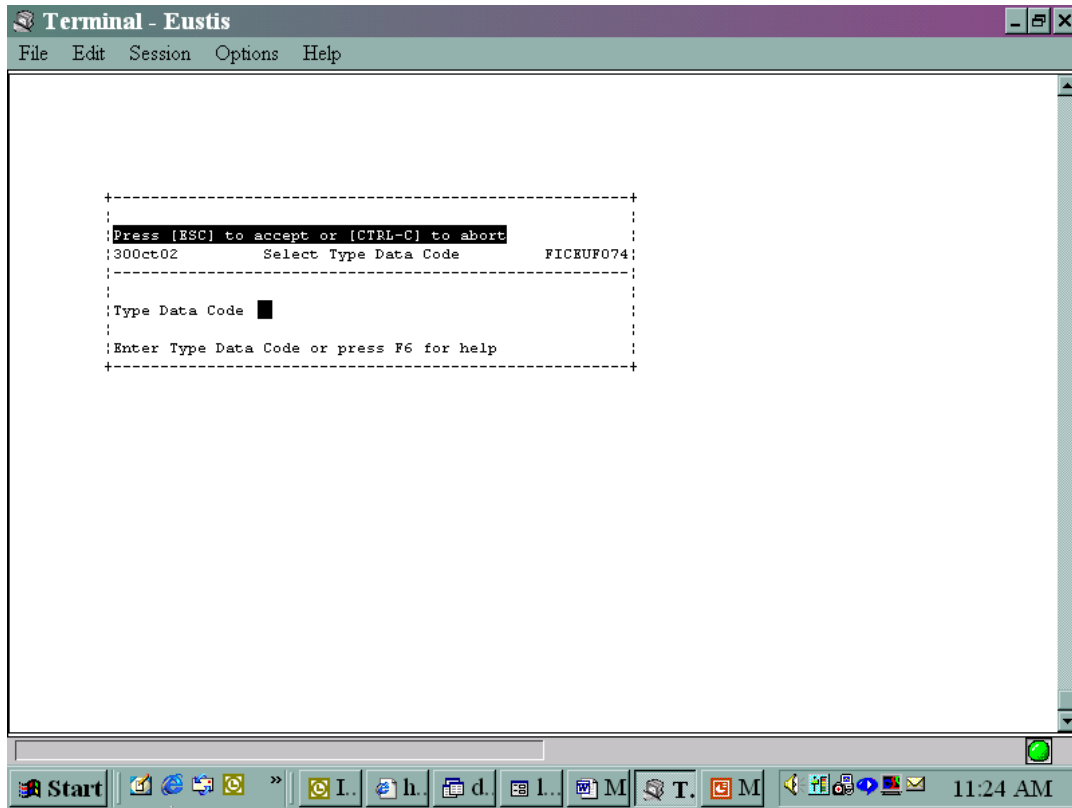


Figure 2-4 Type Data Code

2-10. From the ATCMD format select Strategic Conveyance (Figure 2-5). For an air movement select GATES (G); for a sea movement select WPS (W)

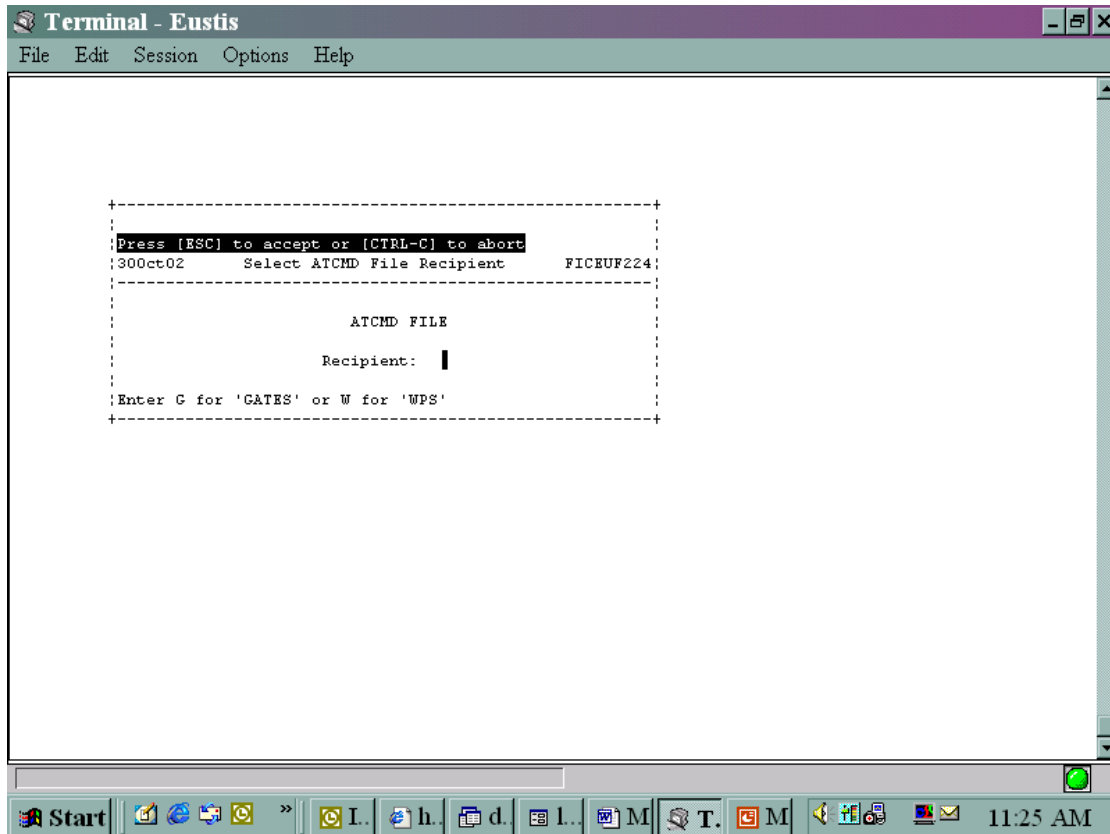


Figure 2-5 Strategic Conveyance

2-11. From the Deployment Equipment List select the item or items for which a tag is to be written (Figure 2-6). Use F10 to select the entire DEL or scroll down and use X to select the specific item, then click ESC. Your file is saved on the TC ACCIS server.

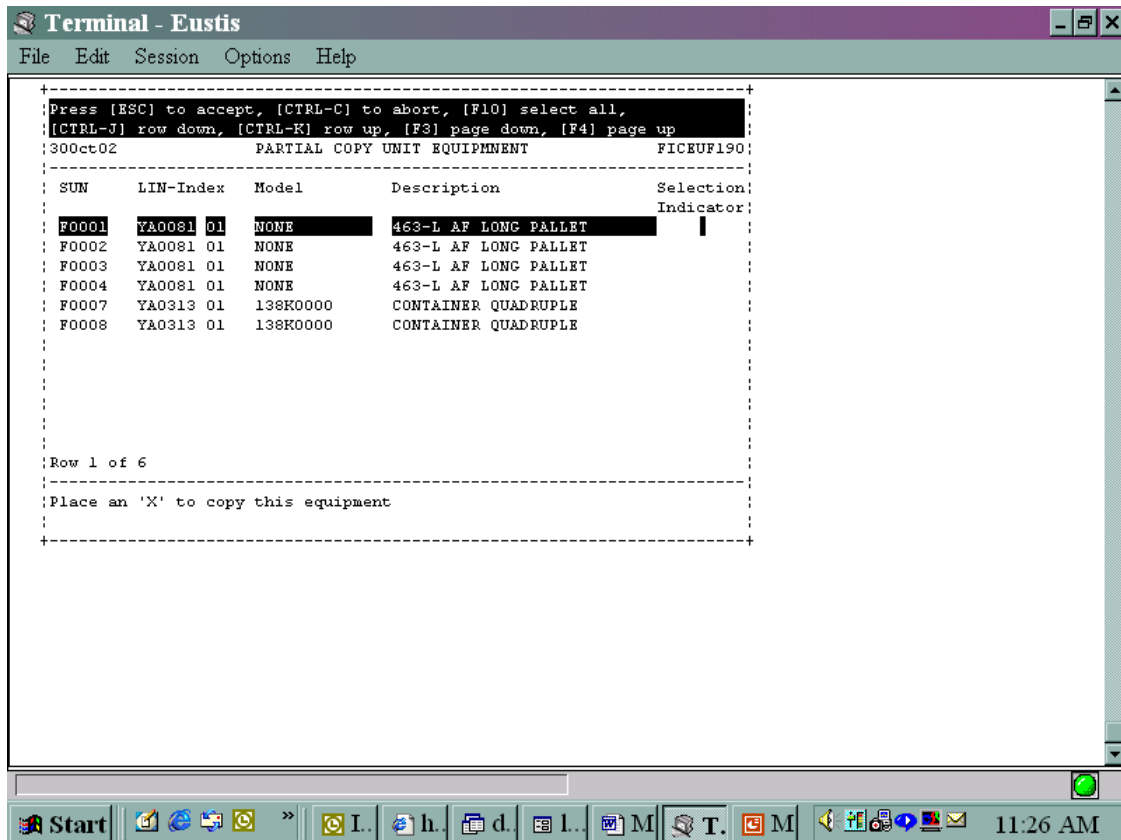


Figure 2-6 Deployment Equipment List

2-12. At this point you have created a file for the TAV In Transit Processing Station (TIPS). Contact the TC ACCIS System Administrator and report the TD of the downloaded file. Report to the write station and provide assistance as required.

2-13. The following actions usually occur at the ITO/UMC office.

2-14. Return to TC ACCIS main menu (Figure 2-2) and select 2 ITO Equipment List Processing and press ESC. From the ITO Equipment List Process screen (Figure 2-7) select 9 ACTMD Download and press ESC.

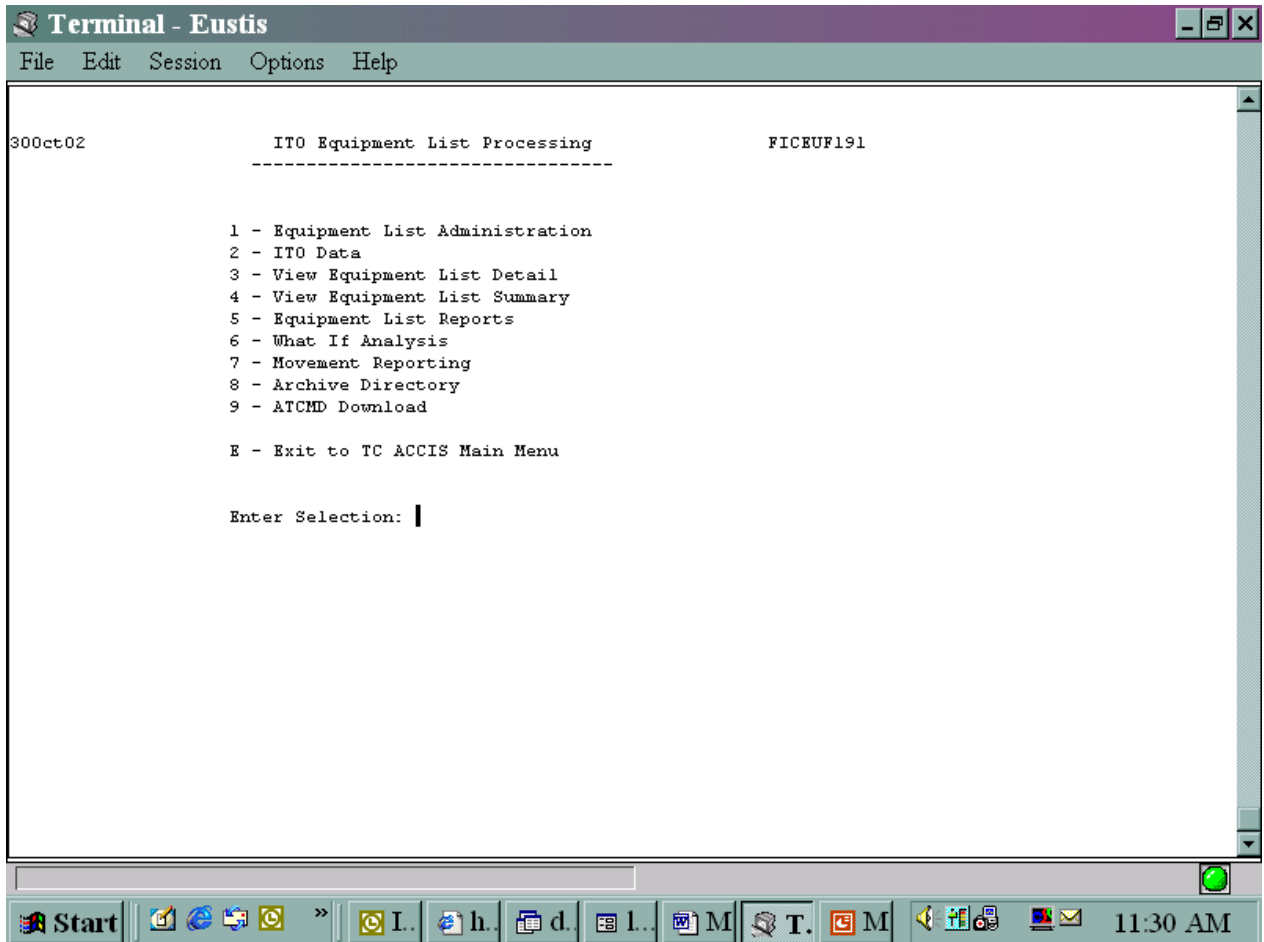


Figure 2-7 ITO Equipment List Processing

2-15. Place X under Select next to unit file that you want to write tags for (Figure 2-8) and press ESC.

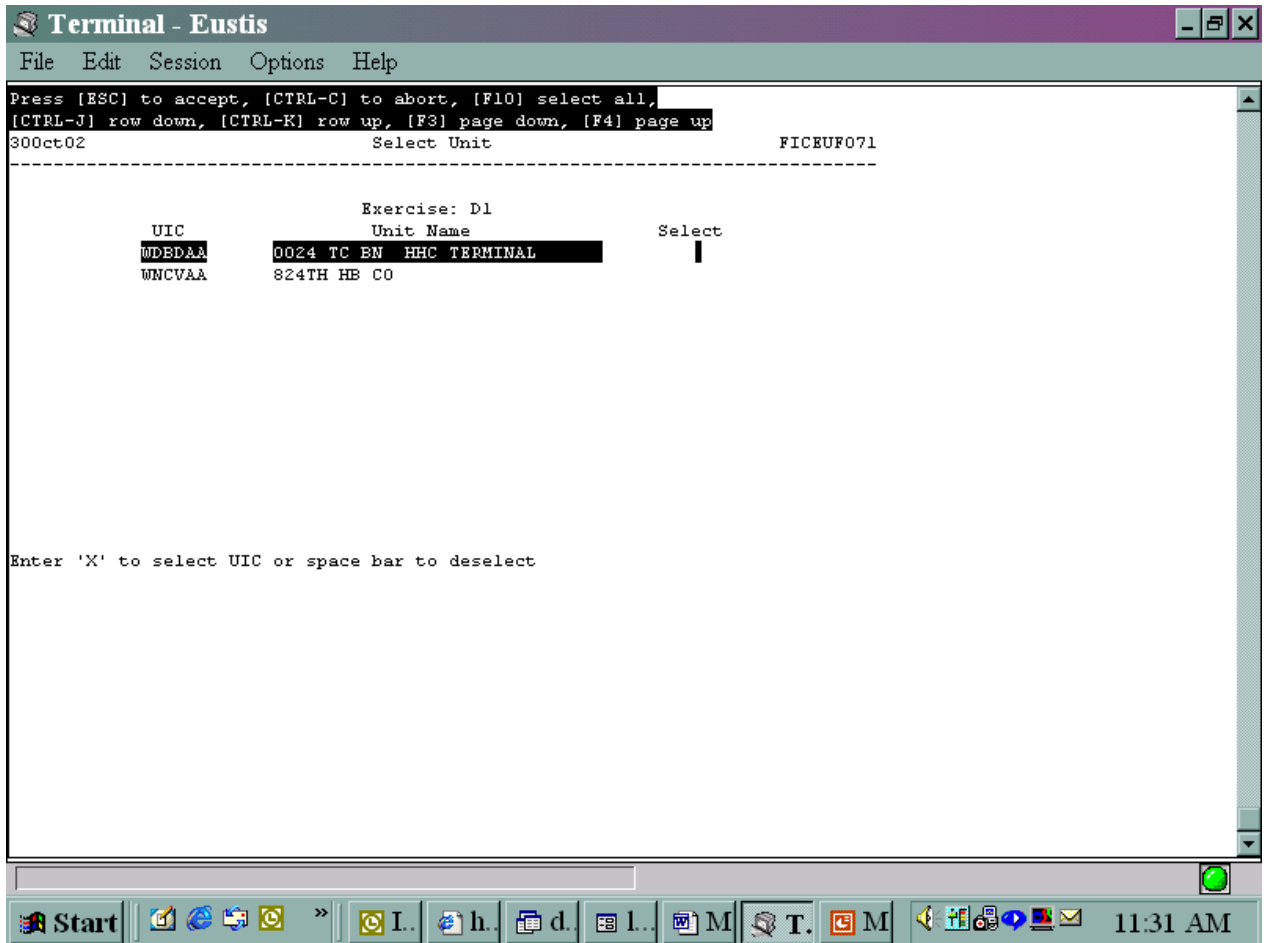


Figure 2-8 Unit File

2-16. Enter the required transportation data associated with move (Figure 2-9) and press ESC.

The screenshot shows a Windows XP desktop with a terminal window titled "Terminal - Eustis". The terminal has a menu bar with "File", "Edit", "Session", "Options", and "Help". The main text area contains the following information:

[CTRL-C] to Abort, [ESCAPE] to accept ATCMD.
300oct02 ATCMD FICEUF214

POE Code: POD Code:
Project Code: TAC: Priority: 3
Expedite Handling Code

Enter Port of Embarkation code or press F6 for help.

The Windows taskbar at the bottom shows the Start button, several application icons, and the system clock displaying "11:32 AM".

Figure 2-9 Transportation Data

2-17. Select 1 to transfer file (Figure 2-10). At this point you have created the file necessary to write RF tags in TIPS. Proceed to the section on writing tags with TIPS.

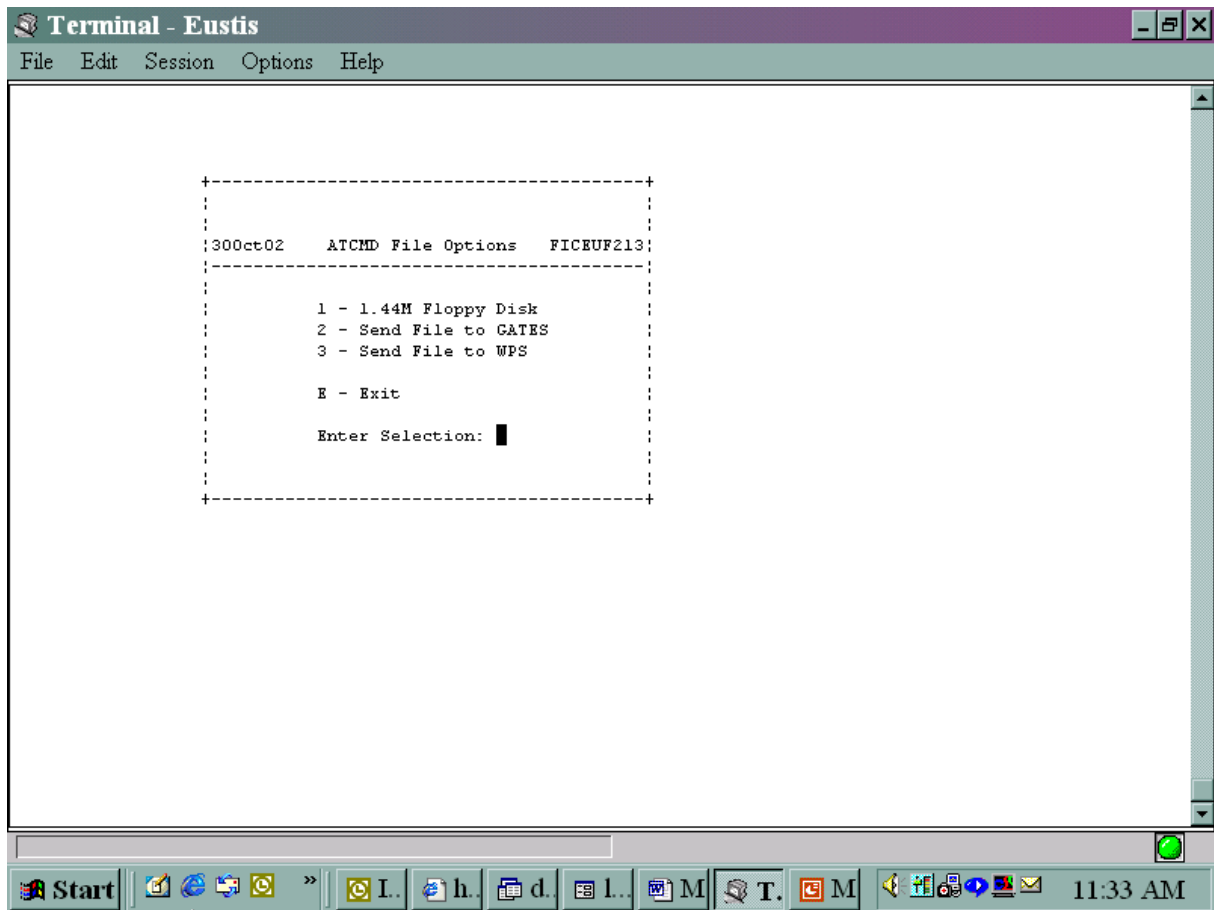


Figure 2-10 File Options

2-18. Secure the ATCMD disk and one MSL for each RF tag. Open the TIPS (Total Asset Visibility Intransit Processing Station) program on your PC. TIPS is software that allows reading and writing of formatted data to and from RF tags and uploads that data to regional servers. There is an interface between TC ACCIS and TIPS. This functionality will be embedded in TC AIMS II. To activate the tags place the first tag in the docking station and click on ITV Write Operations icon n the TIPS Main Menu (Figure 2-11).

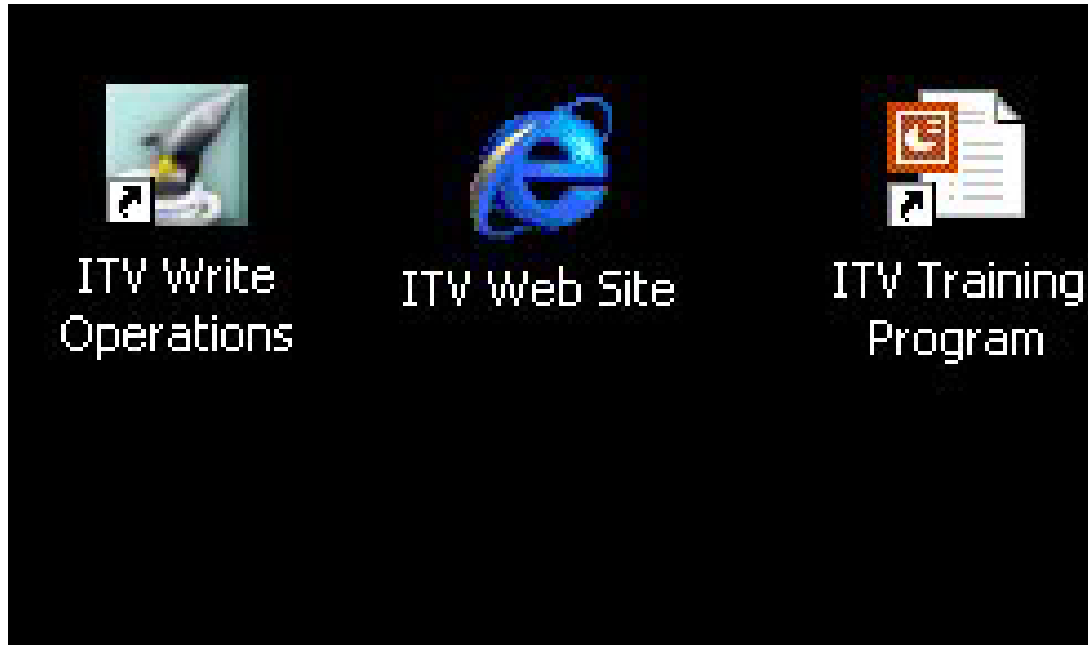


Figure 2-11 TIPS Main Menu

2-19. Click OK at the first message on the docking station. Click OK at the second message on tag status. Click on the Import box (Figure 2-12).

The image shows a Windows-style dialog box titled "Shipment Import". It has a blue title bar with a close button (X) in the top right corner. The dialog is divided into three main sections. The first section, "Import File Format", contains three dropdown menus: "Import File Format" set to "A-TCMD 1.0", "Shipment Format" set to "Sustainment", and "Processing" set to "Standard". The second section, "Import File Pathnames", features a text input field containing "A:\outputaa.txt" and a "Browse" button below it. The third section, "Messages", is a large empty rectangular area with scrollbars on the right side. At the bottom of the dialog, there are two buttons: "Import" on the left and "Close" on the right.

Figure 2-12 Shipment Import

2-20. Highlight the ATCMD record file from the A Drive. Click on Use, Import, and then OK (Figure 2-13).

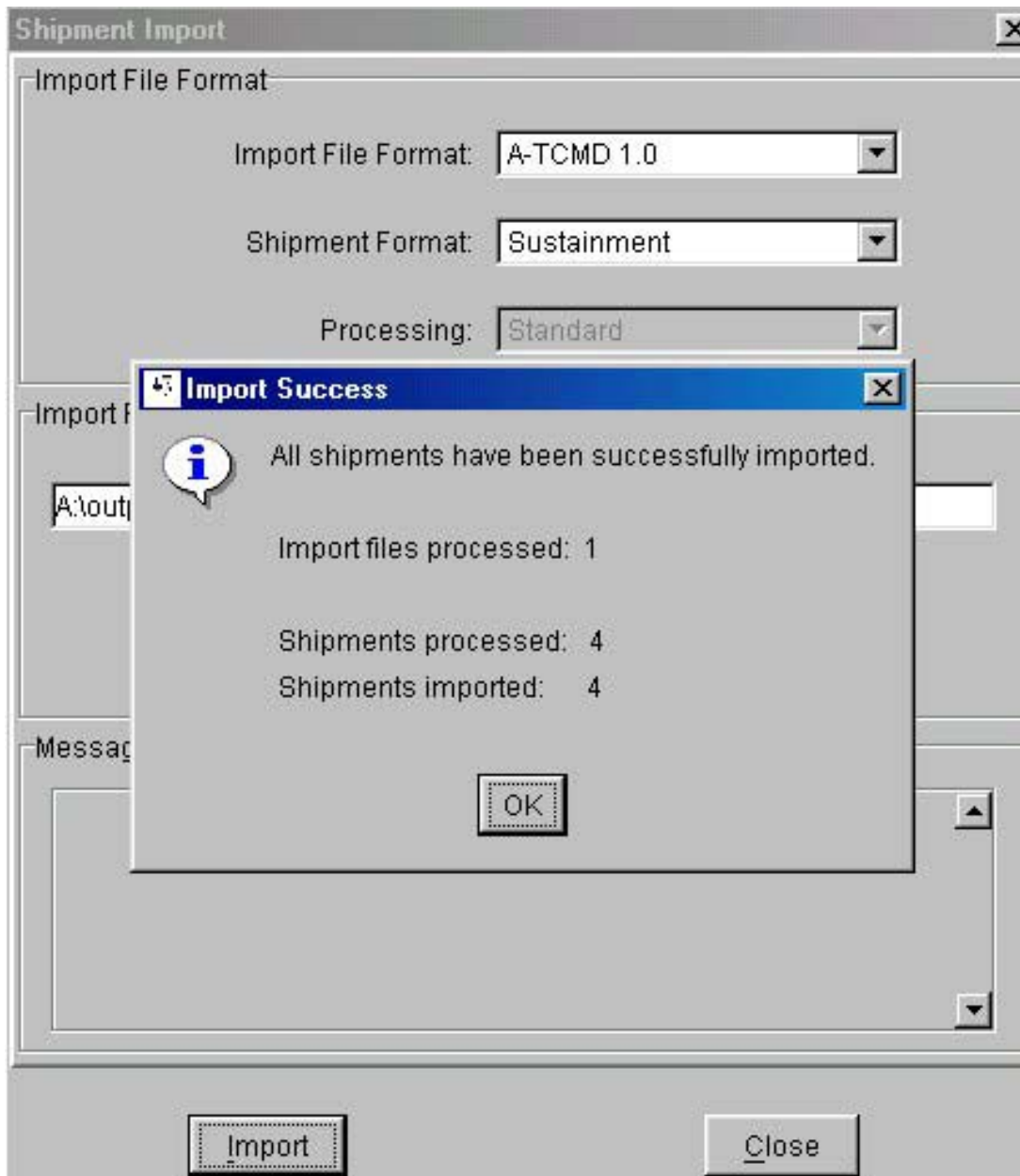


Figure 2-13 Import File Success

2-21. Highlight all files on the screen (Figure 2-14) using Ctrl A, click right mouse, and Open.

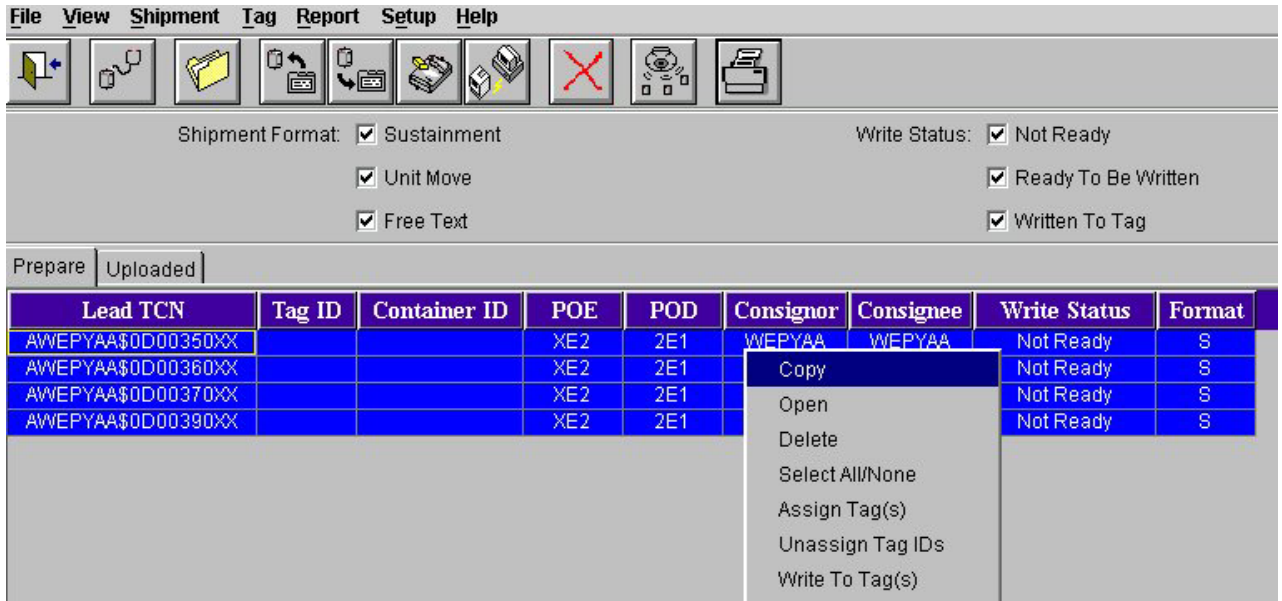


Figure 2-14 Shipment Files

2-22. Fill in the “license plate” data (white boxes) for each shipment, then click on Copy and then Save

Edit Shipment			
Create Date:	11/18/2001 17:55:22 GMT	* Tag ID:	403553
* Lead TCN:		AWEPYAA\$0D00350XX	* Container ID:
		67236	Write Status:
		Ready	
Header TCMD Commodity			
Consignor:	WEPYAA	Hazmat:	<input checked="" type="checkbox"/>
Consignee:	WEPYAA	Ship Date:	
* POE:	XE2	Pieces:	0001
* POD:	2E1	Weight:	5280 (Pounds)
Priority:	3	Cube:	0769 (Cubic Feet)
		[C] Carrier Code:	SEA
		[C] Service:	524 CSB
		[C] Cmdty Class:	CLVII
		[C] Operation:	SFOR11-JRTC
		[C] Free Text:	TONY JACANG 25TH ID SCHO FIELD BKS HI 8086556826 SF0R11-JRTC
* Denotes fields required for writing to a tag		[C] Denotes fields user for Copy Fields	
<div> <div>New</div> <div>Copy</div> <div>Previous Shipment</div> <div>Next Shipment</div> </div>			
Selected Interrogator:		24360	<input checked="" type="checkbox"/> Copy Fields
		Save	Close
Format: Sustainment. Shipment 1 of 4 selected shipments.			

Figure 2-15 Equipment Data

2-23. Click on the TCN (transportation control number) for the next shipment, enter the “license plate” data, and then click Save. Continue entering data for each shipment until all are completed. **NOTE:** Normally only the Tag ID and Container ID need to be entered when preparing for the same operation.

Edit Shipment

Create Date: 11/18/2001 17:55:22 GMT * Tag ID: 109341 Shipment Format: S

* Lead TCN: AWEPYAA\$0D00360XX * Container ID: 23542 Write Status: Not Ready

Header | TCMD | Commodity

Consignor: WEPYAA Hazmat: V [C] Carrier Code: SEA

Consignee: WEPYAA Ship Date: [C] Service: 524 CSB

* POE: XE2 Pieces: 0001 [C] Cmdty Class: CLVII

* POD: 2E1 Weight: 5280 (Pounds) [C] Operation: SFOR11-JRTC

Priority: 3 Cube: 0769 (Cubic Feet)

[C] Free Text: TONY JACANG 25TH ID SCHO
FIELD BKS HI 8086556826
SFOR11-JRTC

* Denotes fields required for writing to a tag [C] Denotes fields user for Copy Fields

New Copy Previous Shipment Next Shipment

Selected Interrogator: 24360 ☒ Copy Fields Save Close

Format: Sustainment Shipment 2 of 4 selected shipments.

Figure 2-16 Equipment Data - Continued

2-24. Highlight all shipments, click right mouse, and select Write to Tags.

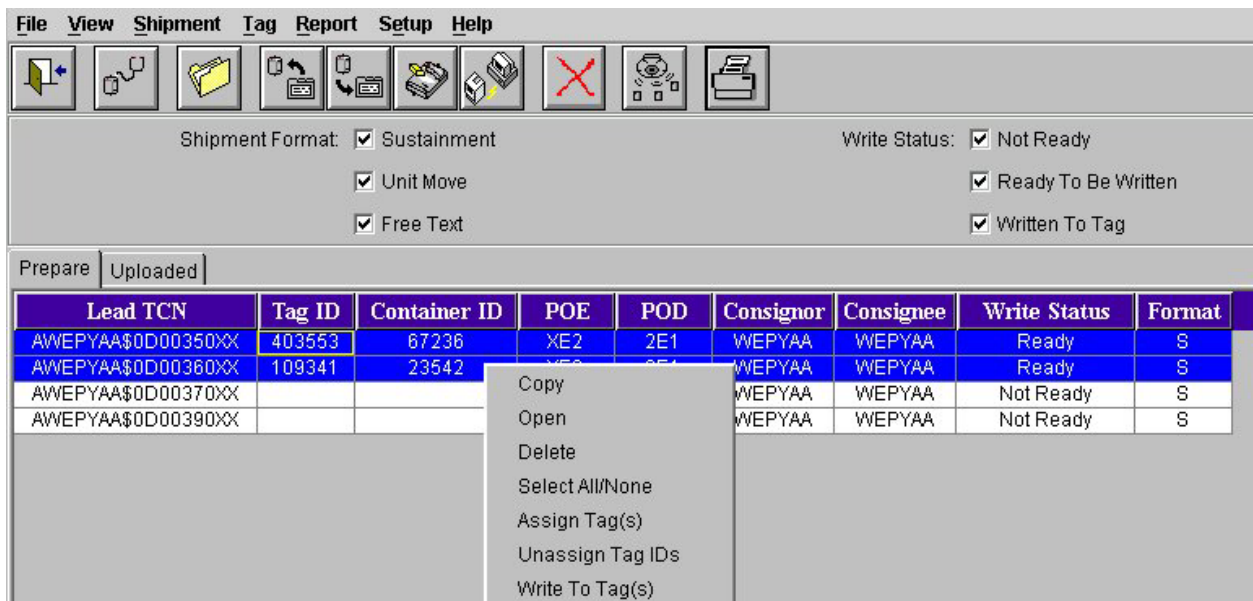


Figure 2-17 Write Status

2-25. Place each tag in the docking station when prompted.

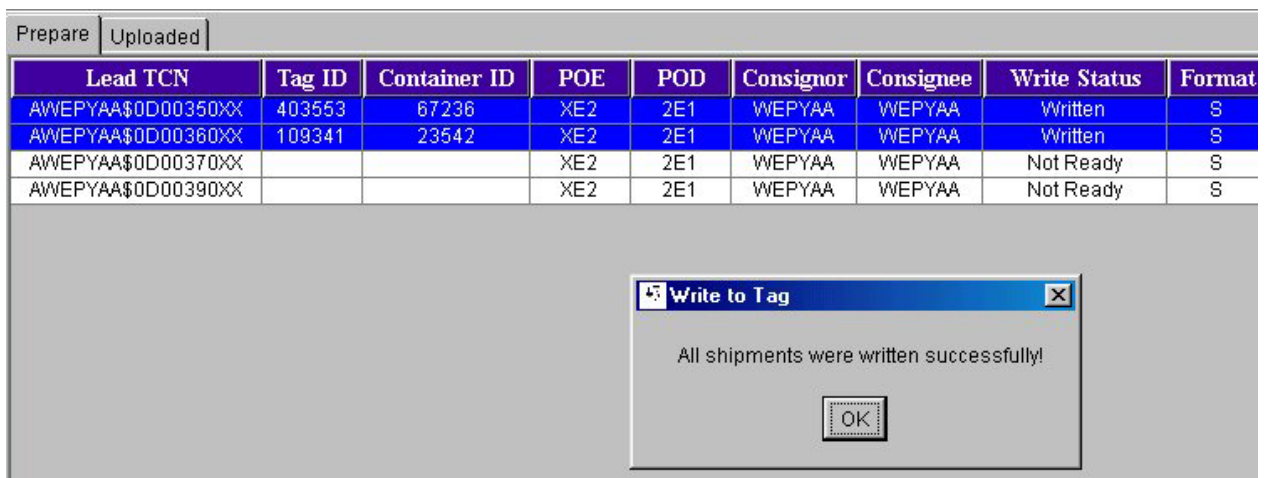


Figure 2-18 Write Status - Continued

2-26. When all tags are written click Uploaded, then File and Upload written shipments.

TIPS-Write

File View Shipment Tag Report Setup Help

Shipment Format: ☒ Sustainment ☒ Unit Move ☒ Free Text

Write Status: ☒ Not Ready ☒ Ready To Be Written ☒ Written To Tag

Prepare Uploaded

Lead TCN	Tag ID	Container ID	POE	POD	Consignor	Consignee	Write Status	Format
AWEPYAA\$0D00350XX	403553	67236	XE2	2E1	WEPYAA	WEPYAA	Written	S
AWEPYAA\$0D00360XX	109341	23542	XE2	2E1	WEPYAA	WEPYAA	Written	S
AWEPYAA\$0D00370XX			XE2	2E1	WEPYAA	WEPYAA	Not Ready	S
AWEPYAA\$0D00390XX			XE2	2E1	WEPYAA	WEPYAA	Not Ready	S

Figure 2-19 Write Status - Continued

2-27. When the file transfer session is completed the shipments move from Prepare to Uploaded (Figure 2-20).

☒ Free Text

Prepare Uploaded

Lead TCN	Tag ID	Container ID	POE	POD	Consignor	Consignee	Uploaded Date	Format
AWEPYAA\$0D00350XX	403553	67236	XE2	2E1	WEPYAA	WEPYAA	11/18/2001 18:18...	S
AWEPYAA\$0D00360XX	109341	23542	XE2	2E1	WEPYAA	WEPYAA	11/18/2001 18:18...	S

Figure 2-20 Write Status - Continued

2-28. Once the files have been uploaded to the server open the browser <https://192.62.212.66/itvf.html> and verify the shipments are loaded by typing your name in the “free text” field and click Submit.

TC-AIMS II

2-29. Currently, at CONUS installations and in USAREUR and USARPAC, all tag writing is usually done at central locations provided by the ITO. TC-AIMS II is a unit based system and the actions associated with creating the data previously accomplished at the ITO with TC ACCIS will be done within the unit. The loading of data onto the tag or “burning” will continue to be done at central write locations, probably at the ITO.

2-30. In contingency situations the senior Army transportation element will coordinate for the write stations.

2-31. The following components are necessary to prepare RF tags using TC-AIMS II:

- Access to TC-AIMS II Unit Move Block 1
- An approved Unit Deployment List (UDL)
- A quantity of RF tags, usually available at the ITO/ MCT
- A military shipment label
- Registered write station with docking station or interrogator

2-32. To initiate the process of creating RF tags using TC-AIMS II you will use the following path: Wizards>Interface>AIT Tools>TIPS

2-33. Complete Transportation Movement Control Documents (TCMDs) for each piece of equipment or shipping unit on the UDL.

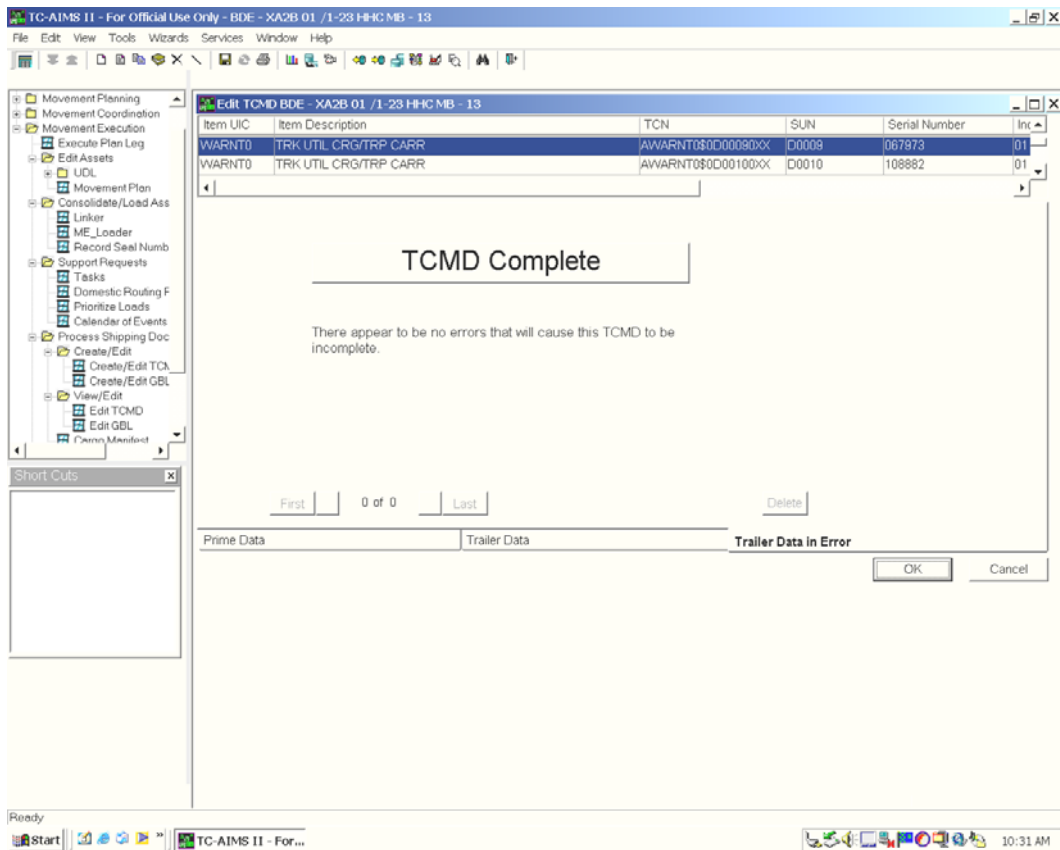


Figure 2-20 TMCD Entry

2-34. Select all pieces of equipment required to be tagged in accordance with established policy (Figure 2-21).

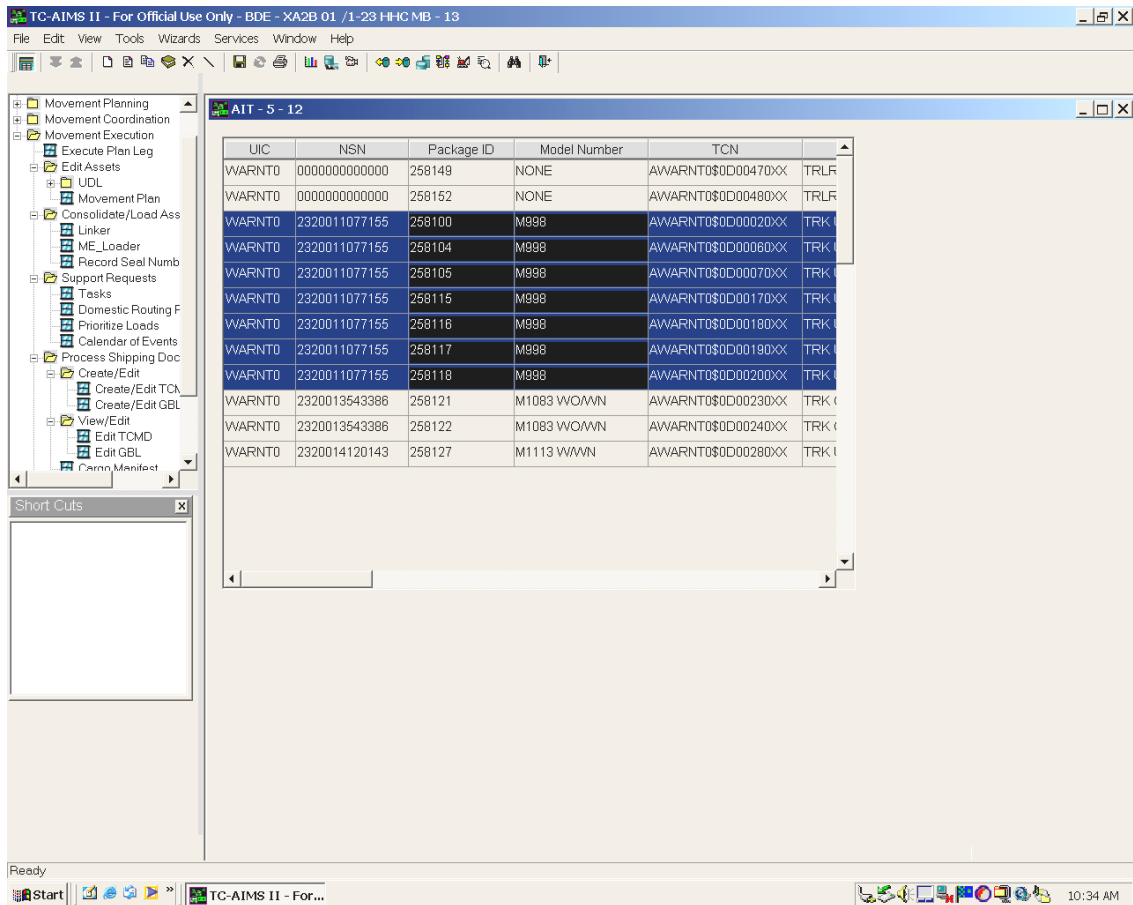


Figure 2-21 Equipment to be Tagged

2-35. Select RF Tag Export from the Tool Menu (Figure 2-22).

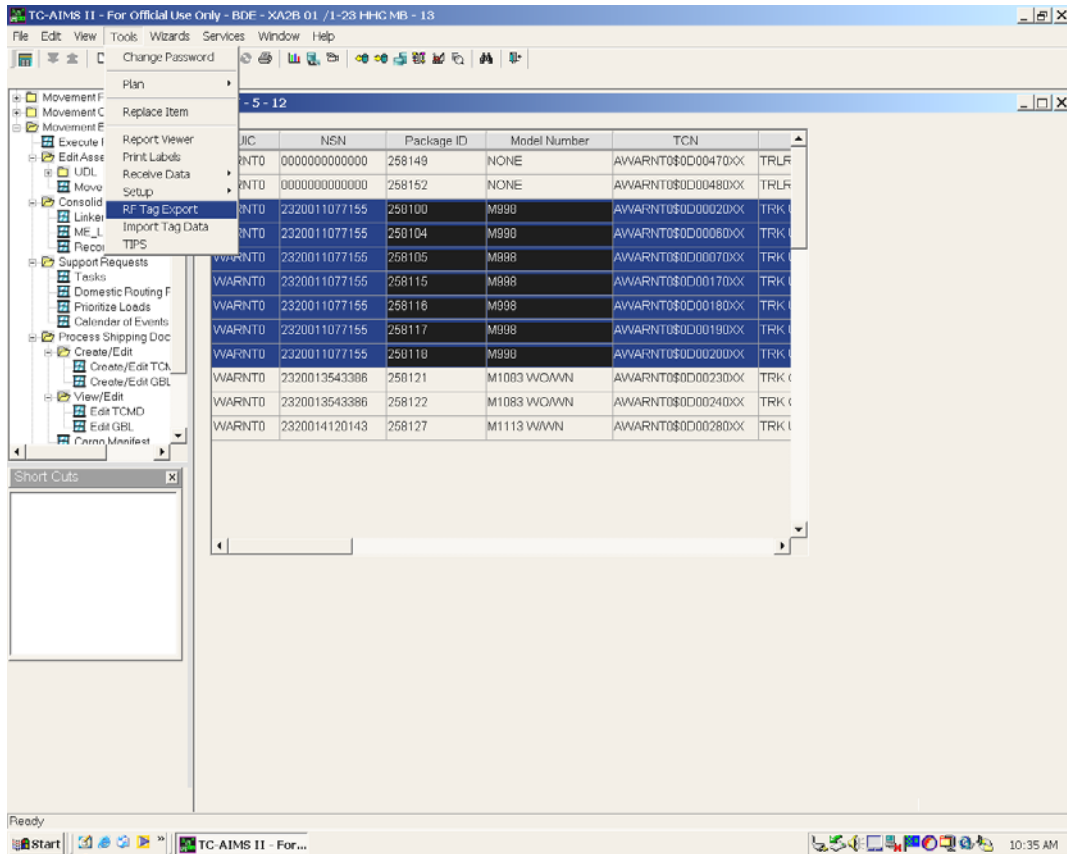


Figure 2-22 RF Tag Export

2-36. Highlight all shipments to create a file for TIPS to import (Figure 2-23).

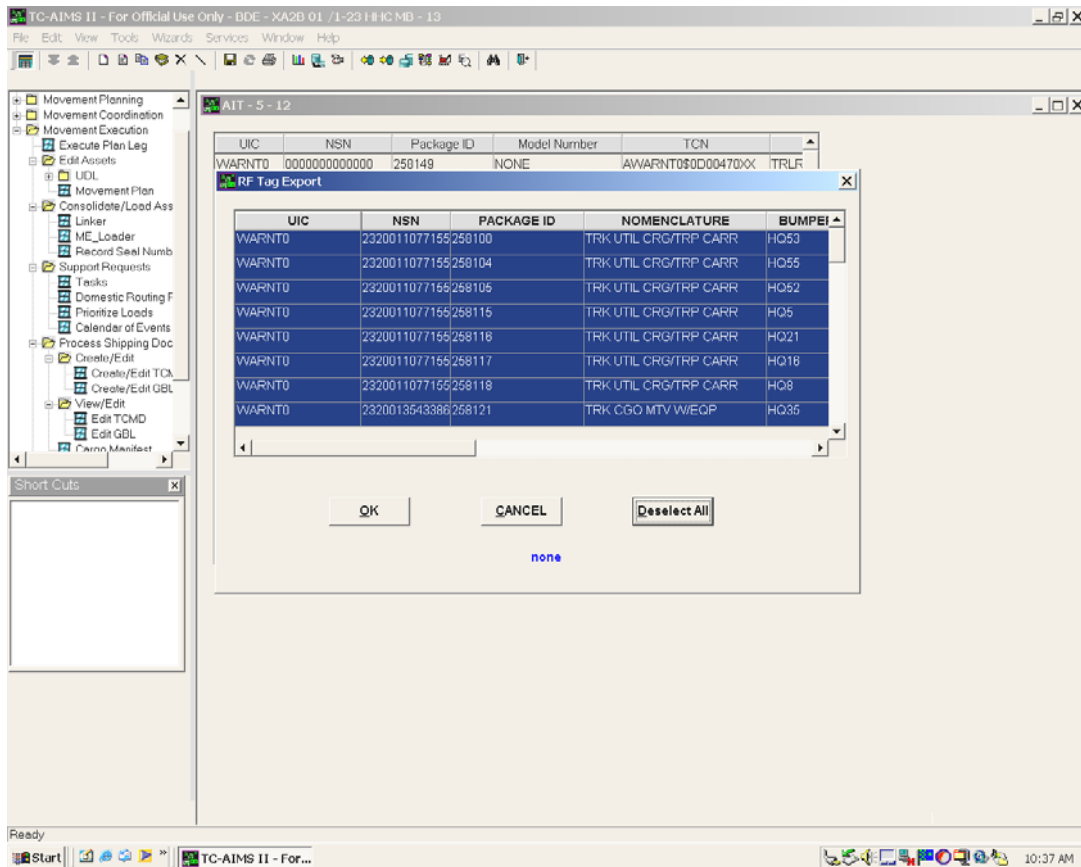


Figure 2-23 RF Tag Export – Continued

2-37. Save file (Figure 2-24)

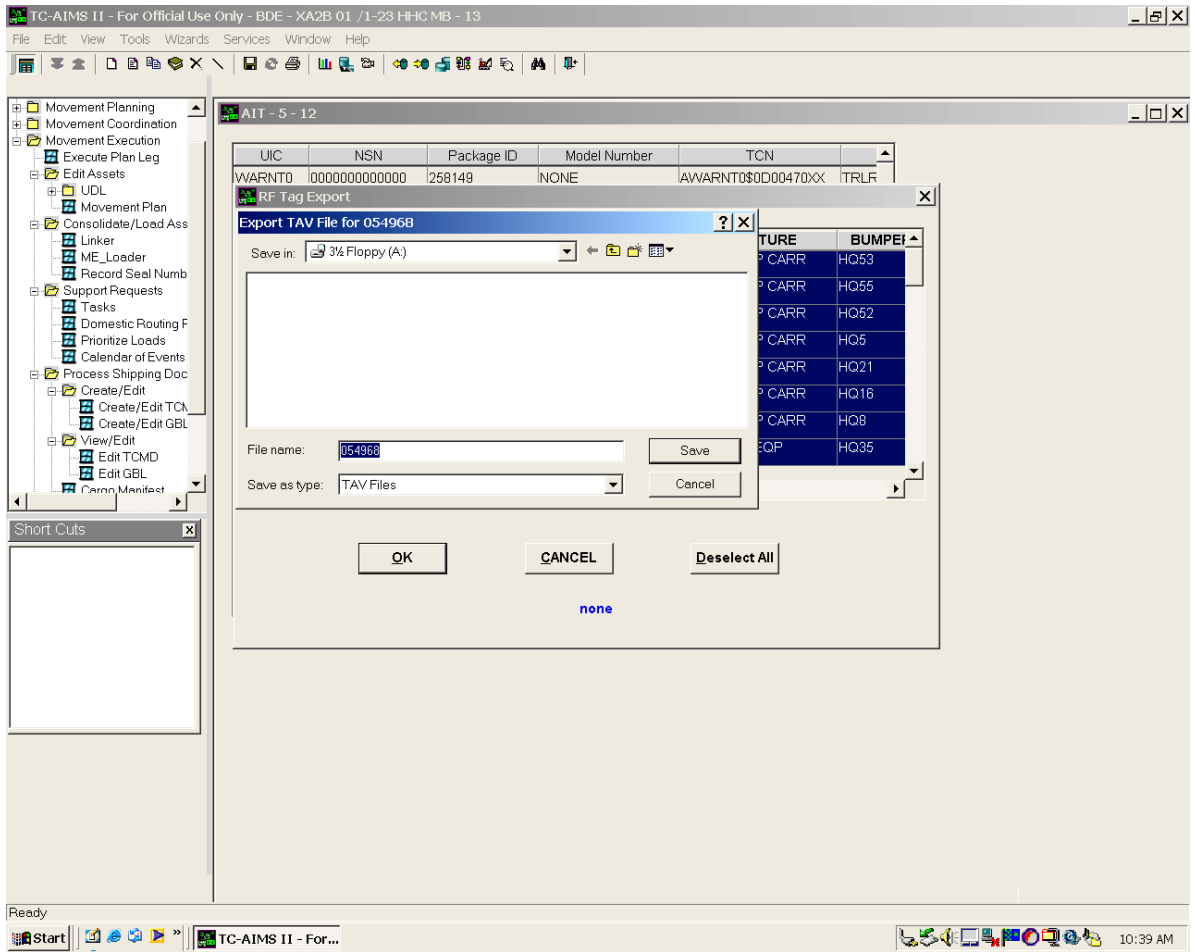


Figure 2-24 – Save File

2-38. Click Yes to initiate TIPS (Figure 2-25).

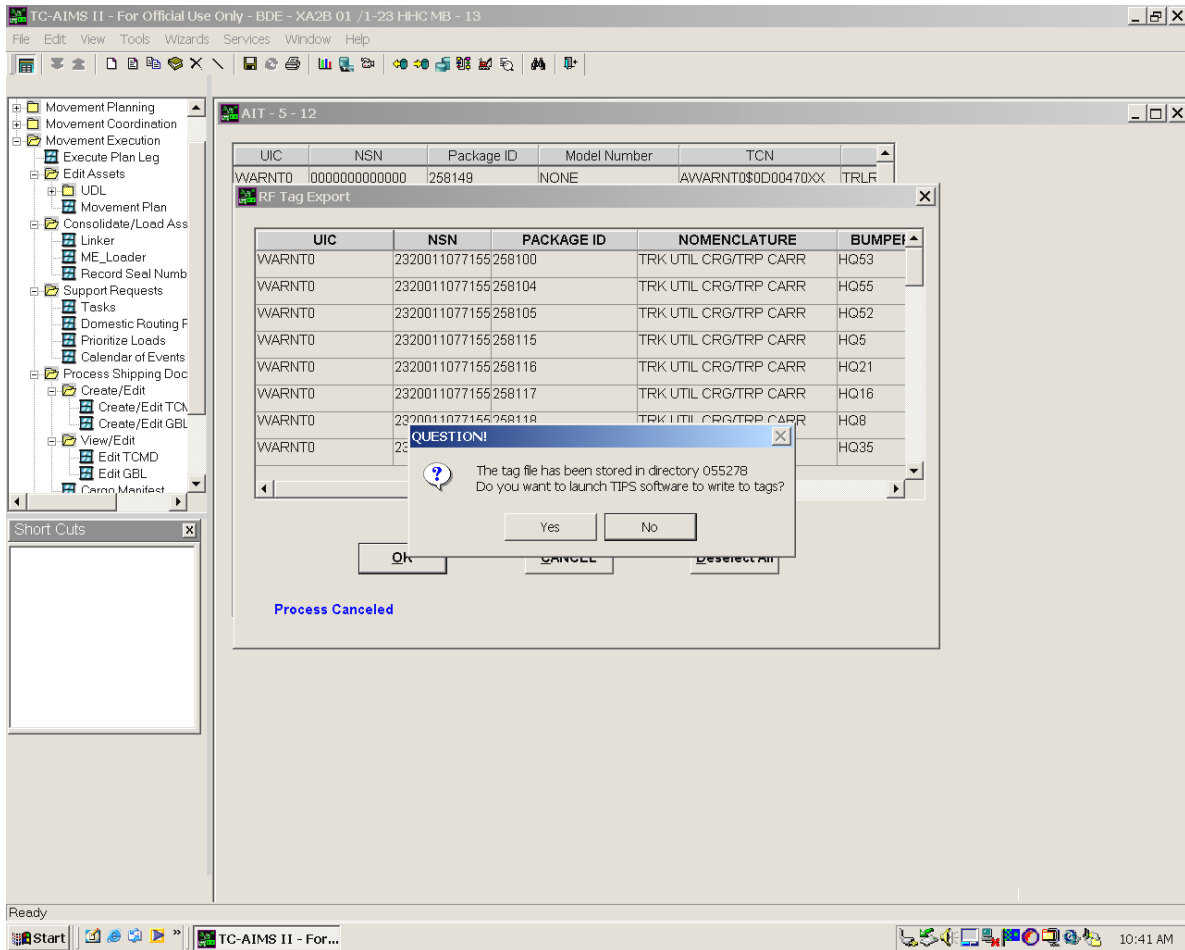


Figure 2-25 – TIPS Launch

2-39. Import saved equipment file to write RF Tags (Figure 2-26)

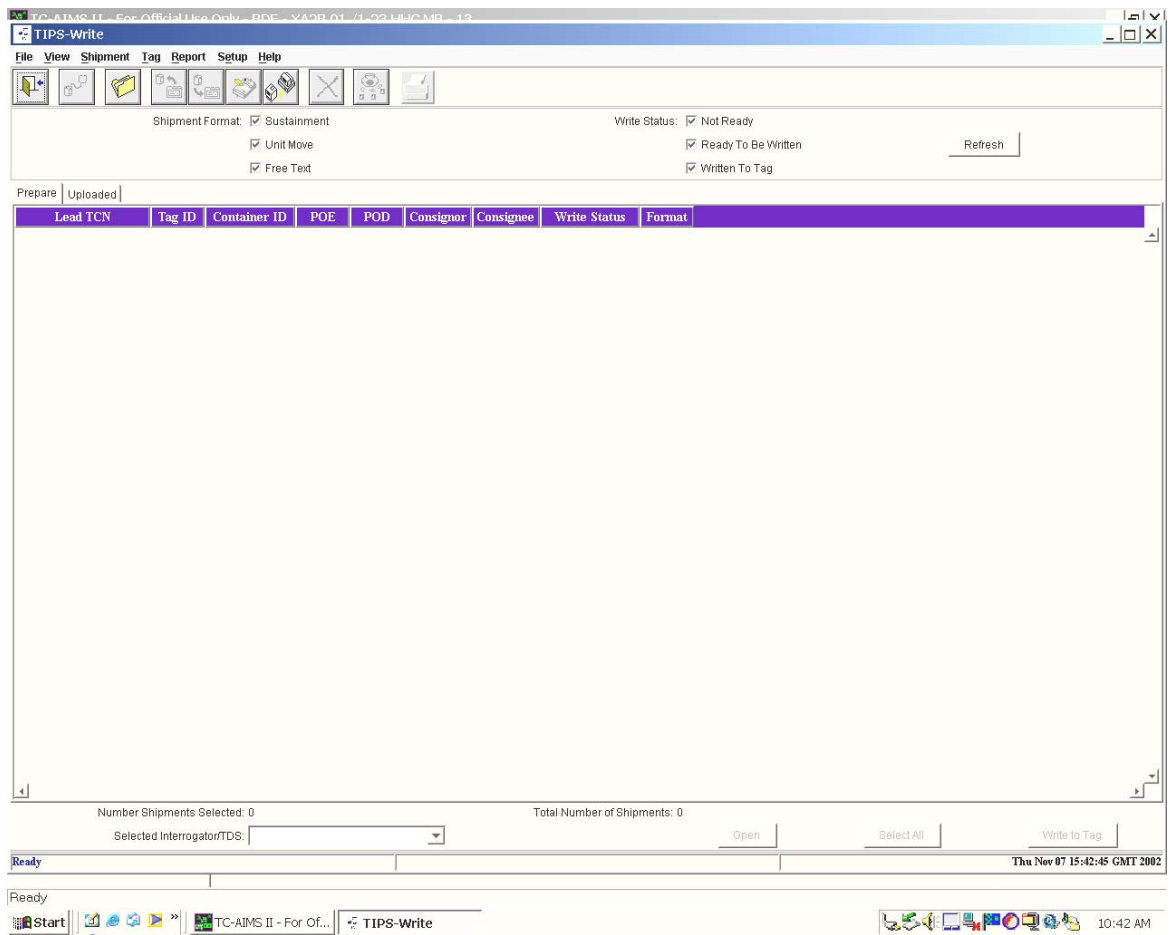


Figure 2-26 TIPS Write

2-40. Enter the file name and select Import (Figure 2-27).

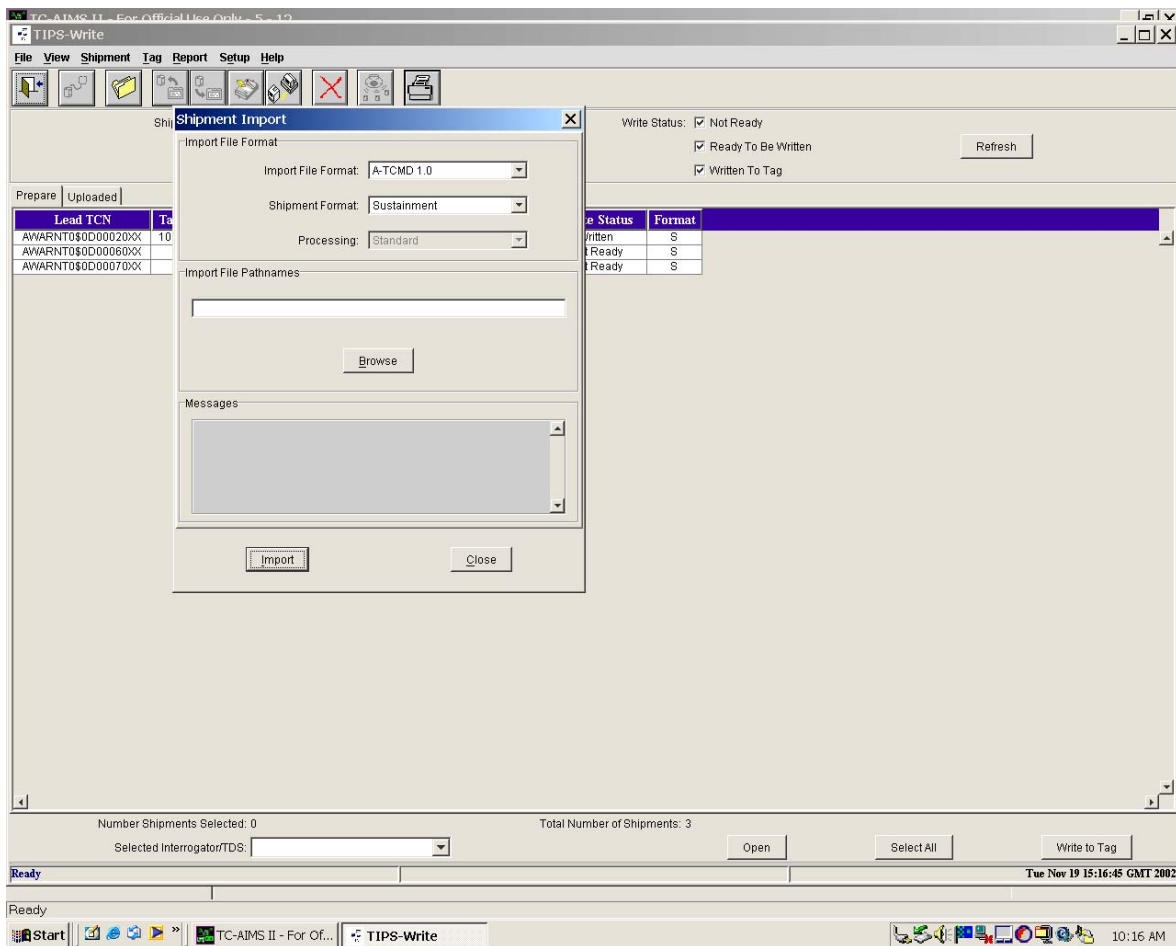


Figure 2-27 Shipment Import

2-41. You are now ready to write the tags.

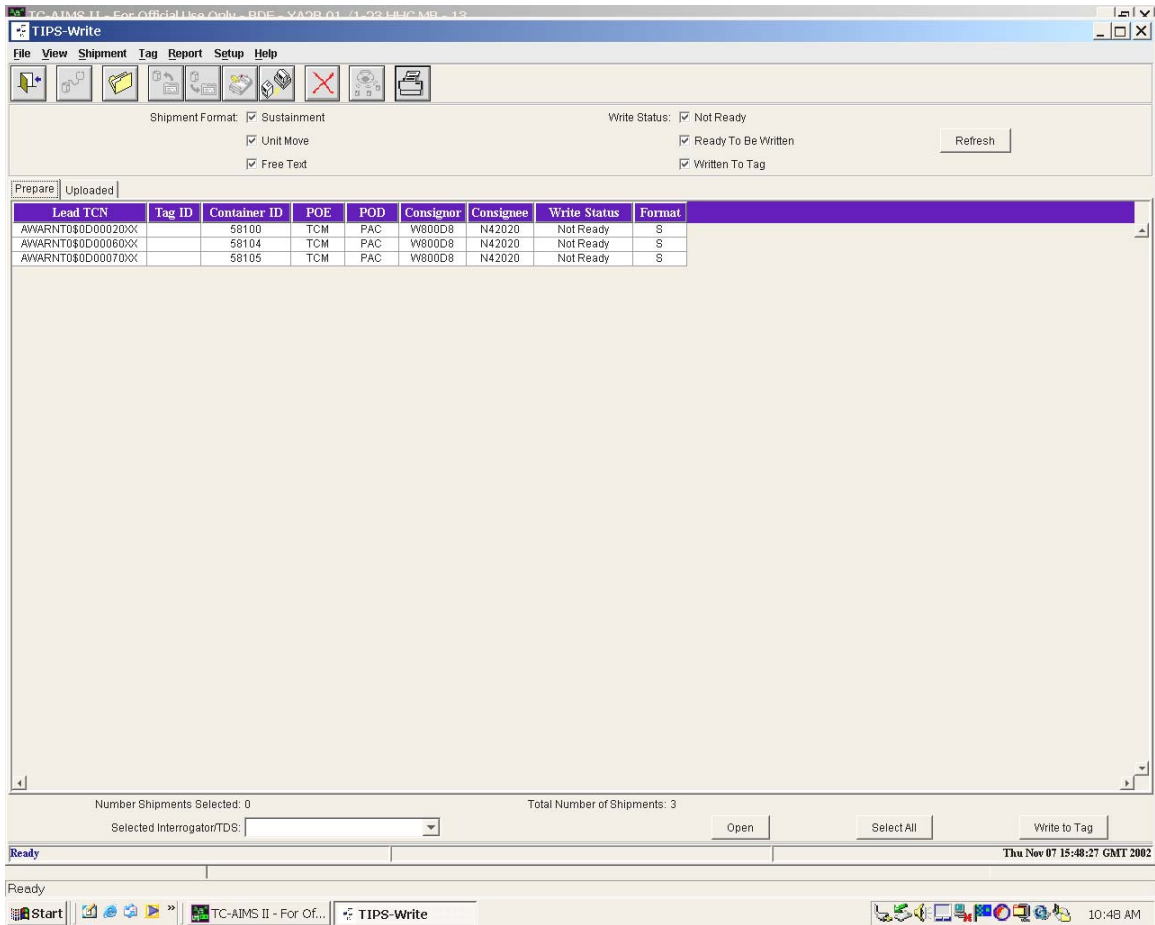


Figure 2-28 TIPS Write

2-42. Select each file and complete the header data to include tag number. Ensure that the free text field is populated with the UMO (unit movement officer) name, unit and phone number. If this deployment has an exercise name, ensure it is reflected in the Operation.

TC-AMS II - For Official Use Only - BDE - YA2B.01 (1-23 HHC MB - 13)

TIPS-Write

File View Shipment Tag Report Setup Help

Shipment Format: ☒ Sustainment Write
☒ Unit Move
☒ Free Text

Prepare | Uploaded |

Lead TCN	Tag ID	Container ID	POE	POD	Consignor	Consignee	Write Status
AWARNT0\$0D00020XX		58100	TCM	PAC	W800D8	N42020	Not Ready
AWARNT0\$0D00060XX		58104	TCM	PAC	W800D8	N42020	Not Ready
AWARNT0\$0D00070XX		58105	TCM	PAC	W800D8	N42020	Not Ready

Assign Tag(s)

Date/Time of Collection:
11/06/2002 19:35:24 GMT

106392
106394
106396
106399
106400
106401
106402
106406

Tags Total:

17

Tags Selected:

Figure 2-29 Assign Tag Numbers

2-43. Write all Shipment data to tags (Figure 2-30).

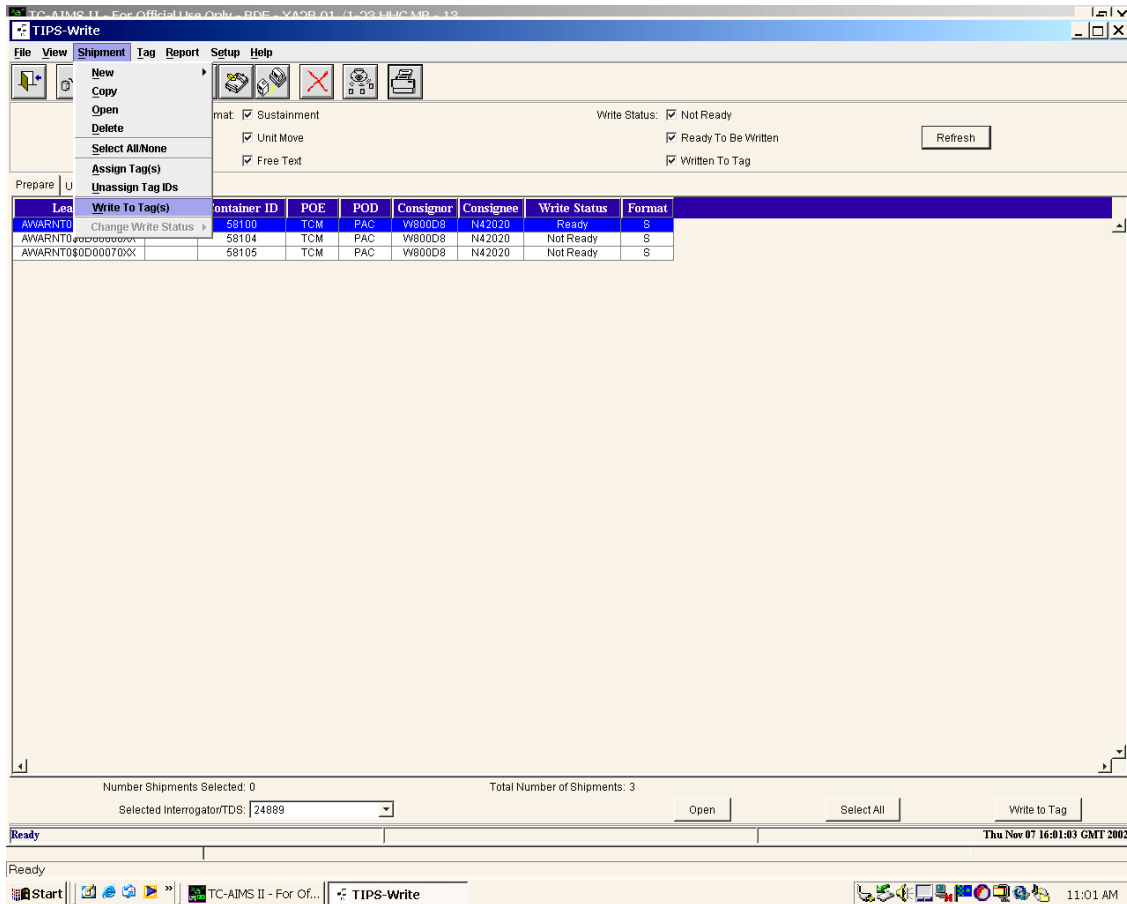


Figure 2-30 Writing Data to Tags

2-44. Writing tags in progress (Figure 2-31)

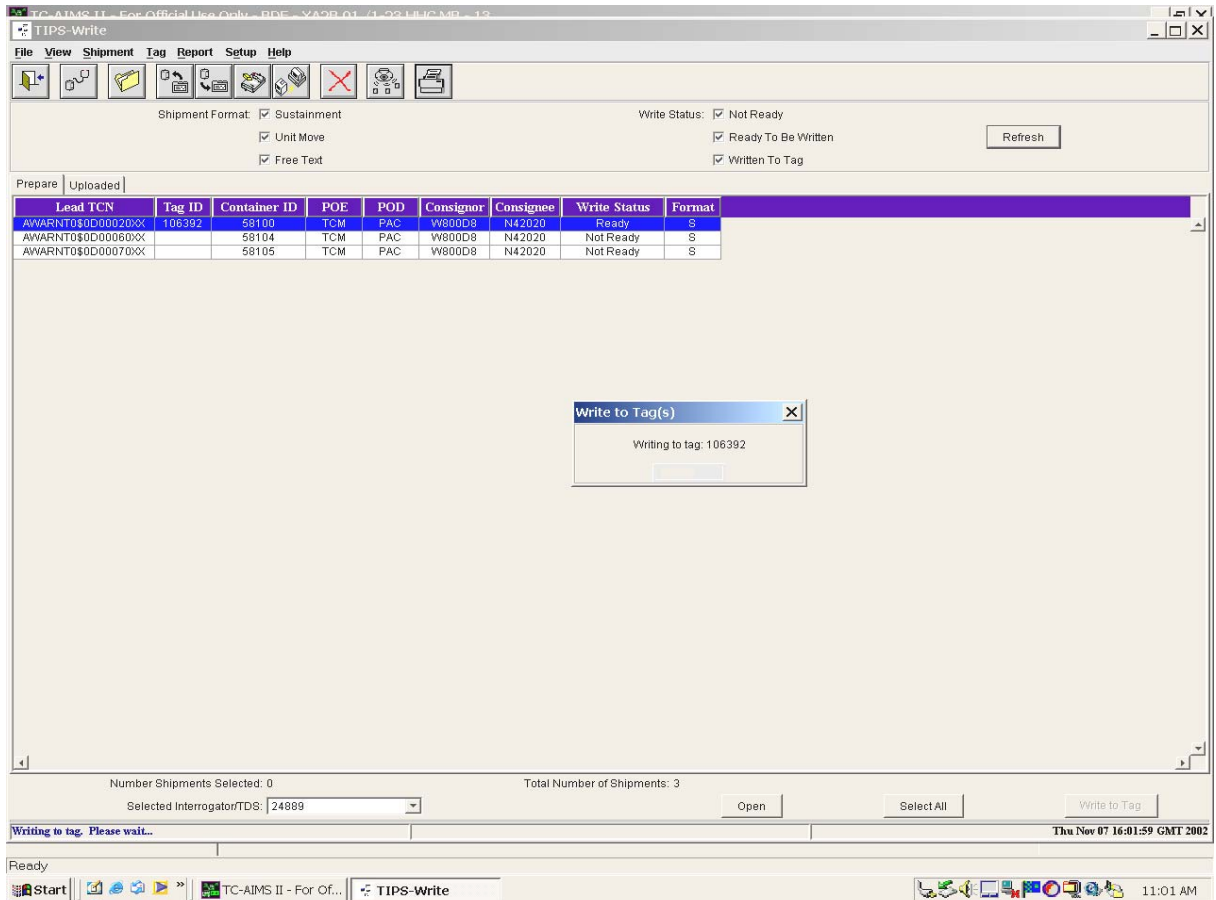


Figure 2-31 Writing Status

DS2T

2-45. Currently, at CONUS installations and in USAREUR and USARPAC, all tag writing is usually done at central locations provided by the ITO. DS2T is a unit based system and the actions associated with creating the data previously accomplished at the ITO with TC ACCIS will be done within the unit. The loading of data onto the tag or “burning” will continue to be done at central write locations, probably at the ITO.

2-46. In contingency situations the senior Army transportation element will coordinate for the write stations.

2-47. The following components are necessary to prepare RF tags using DS2T:



- Access to DS2T Unit Move Version 2.3
- An approved Deployment Equipment List (DEL)
- A quantity of RF tags, usually available at the ITO/ MCT
- A military shipment label
- Registered write station with docking station or interrogator

2-48. Open DS2T and locate the equipment to be shipped. And select RF tag (Figure 2-32)

Deployment and Sustainment Support Tool - Unit Move Version 2.3

Unit Equipment List UIC: WE4QT0 Type Data: XH

Shipment Information

From WE4QT0 0296 CS BN HHD FWD COMMANDER HHD 296TH CS BN FORT LEWIS, WA 98433-9500	Ship To WE4QT0 POE 4E1 0296 CS BN HHD FWD COMMANDER HHD 296TH CS BN FORT LEWIS, WA 98433-9500	Ultimate Consignee/Mark For WE4QT0 0296 CS BN HHD FWD COMMANDER HHD 296TH CS BN FORT LEWIS, WA 98433-9500	Pieces 1 of 1 
TCN AWE4QT040D00010XX 	Transportation Priority 3	Project YFF Date Shpd 11/07/2002 RDD 297 POD JF1	Type Service TAC SCAC Air Dim ARMY A209 MSC Z
		Container Number Seal Number Pallet ID	Loaded? N

Detail/Load Information

ECH	ULN	SUN	Model	Description	NSN	Serial #	LIN	Index
01		D0001	M998	TRK UTIL CRG/TRP CARR	2320011077155	22667	T61494	04
01		D0002	M1083 WOWN	TRK CGO MTV W/EQP	2320013543386	BT0248B-KB	T61908	02
01		D0003	M966	TRUCK UTIL 1-1/4-TON	2320011077153	006465	T05096	09
01		D0004	M1101	TRL CARGO HIMOB 3/4 TON	2330013875433	03086	T95992	02
01		D0005	XM1120 WOWN	TRUCK CARGO TAC 8X8 W/LHS	2320014711326	25262	240639	02
01		D0006	600 GPH	WTR PRFCN EQ SET	4610010268980	NOT ON HAND	W35417	01
01		D0007	XM1120 WOWN	TRUCK CARGO TAC 8X8 W/LHS	2320014711326	34360	240639	02
01		D0008	M1076	TRAILER PLS 16 1/2TON	2330013035197	93761	T93761	13
01		D0009	XM1120 WOWN	TRUCK CARGO TAC 8X8 W/LHS	2320014711326	6122-031	240639	02
01		D0010	M1076	TRAILER PLS 16 1/2TON	2330013035197	6122-031	T93761	13

Modify Insert Copy Delete Load Data Reorder Global Update

View Report Print Report MSL ICMD RF Tag Exit

Start Deployment and Sust... untitled - Paint 11:22 AM

Figure 2-32 Unit Equipment List

2-49. Highlight items to be tagged or select all and then click OK (Figure 2-33)

Deployment and Sustainment Support Tool - Unit Move Version 2.3

Unit Equipment List UIC: WE4QTO Type Data: XH

Shipment Information

From WE4QTO 0296 CS EN HMD FWD COMMANDER	Ship To WE4QTO 0296 CS EN HMD FWD COMMANDER	POE 4E1	Ultimate Consignee/Mark For WE4QTO 0296 CS EN HMD FWD COMMANDER	Pieces 1 of 1
--	---	---------	---	------------------

Deployment and Sustainment Support Tool - Unit Move Version 2.3

Unit Equipment List UIC: WE4QTO Type Data: XH

Shipment Information

From WE4QTO
0296 CS EN HMD FWD
COMMANDER
HMD 296TH CS EN
FORT LEWIS, WA 98433-9500

TCN AWE4QTO\$0D00010XX

Detail/Load Information

ECH	ULN	SUN	Model
01		D0001	M998
01		D0002	M1083 WOWN
01		D0003	M966
01		D0004	M1101
01		D0005	XM1120 WOW
01		D0006	600 GPH
01		D0007	XM1120 WOW
01		D0008	M1076
01		D0009	XM1120 WOW
01		D0010	M1076

Select SUNs

SUN	Echelon	Description
D0001	01	TRK UTIL CRG/TRP CARR
D0002	01	TRK CGO MIV W/EQP
D0003	01	TRUCK UTIL 1-1/4-TON
D0004	01	TRL CARGO HIMOB 3/4 TON
D0005	01	TRUCK CARGO TAC 8X8 W/LHS
D0006	01	WTR PRFCN EQ SET
D0007	01	TRUCK CARGO TAC 8X8 W/LHS
D0008	01	TRAILER PLS 16 1/2TON
D0009	01	TRUCK CARGO TAC 8X8 W/LHS
D0010	01	TRAILER PLS 16 1/2TON
D0011	01	TRUCK CARGO TAC 8X8 W/LHS
D0012	01	TRAILER PLS 16 1/2TON
D0013	01	TRUCK CARGO TAC 8X8 W/LHS
D0014	01	TRAILER PLS 16 1/2TON
D0015	01	TRUCK CARGO TAC 8X8 W/LHS
D0016	01	WTR PRFCN EQ SET
D0017	01	TRK UTIL CRG/TRP CARR
D0018	01	TRL CARGO HIMOB 3/4 TON
D0019	01	TRK UTIL CRG/TRP CARR

Sort by: ☒ SUN ☐ Echelon

WE4QTO Pieces 1 of 1

Barcode: [Barcode]

dd RDD POD
/2002 297 JF1

SCAG Air Dim
MSC Z

number Pallet ID Loaded?
N

#	LIN	Index
	T61494	04
3-KB	T61908	02
	T05096	09
	T95992	02
	Z40639	02
HAND	W35417	01
	Z40639	02
	T93761	13
31	Z40639	02
31	T93761	13

Figure 2-33 Selecting Items to be Tagged

2-50. Select redial for your situation and enter tag number or respond to the prompts as appropriate (Figure 2-34).

Deployment and Sustainment Support Tool - Unit Move Version 2.3


Unit Equipment List **UIC: WE4QT0** **Type Data: XH**

Shipment Information

From: WE4QT0 Ship To: WE4QT0 POE: 4E1 Ultimate Consignee/Mark For: WE4QT0 Pieces: 1 of 1

0296 CS BN HHD FOD
COMMANDER
HHD 296TH CS BN
FORT LEWIS, WA 98432-9500

TCN: AWE4QT0\$0D000



Detail/Load Information

ECH	ULN	SUN	M
01		D0001	M
01		D0002	M
01		D0003	M
01		D0004	M
01		D0005	X
01		D0006	E
01		D0007	X
01		D0008	M
01		D0009	X
01		D0010	M

M1076 TRAILER PLS 16 1/2TON 2330013035197 6122-031

Write RF Tag

☐ RF Dock (410 Tag)
☒ RF Interrogator (410 Tag)
☐ RF Interrogator (412 Tag)

RF Tag #:

Serial #:

Serial Port:

Bus Type:

Read Check:

Zulu Time Offset: hour(s)

OK Cancel

	LIN	Index
	T61494	04
	T61908	02
	T05096	09
	T95992	02
	Z40639	02
	W35417	01
	Z40639	02
	T93761	13
	Z40639	02
	T93761	13

Modify Insert Copy Delete Load Data Reorder Global Update

View Report Print Report MSL ICMD RF Tag Exit

Start Deployment and Sust... Microsoft PowerPoint - [P...]

11:30 AM

Figure 2-34 Write RF Tag

2-51. System is writing data to RF tag. When all tags have been written the screen will clear and then select Exit (Figure 2-35).

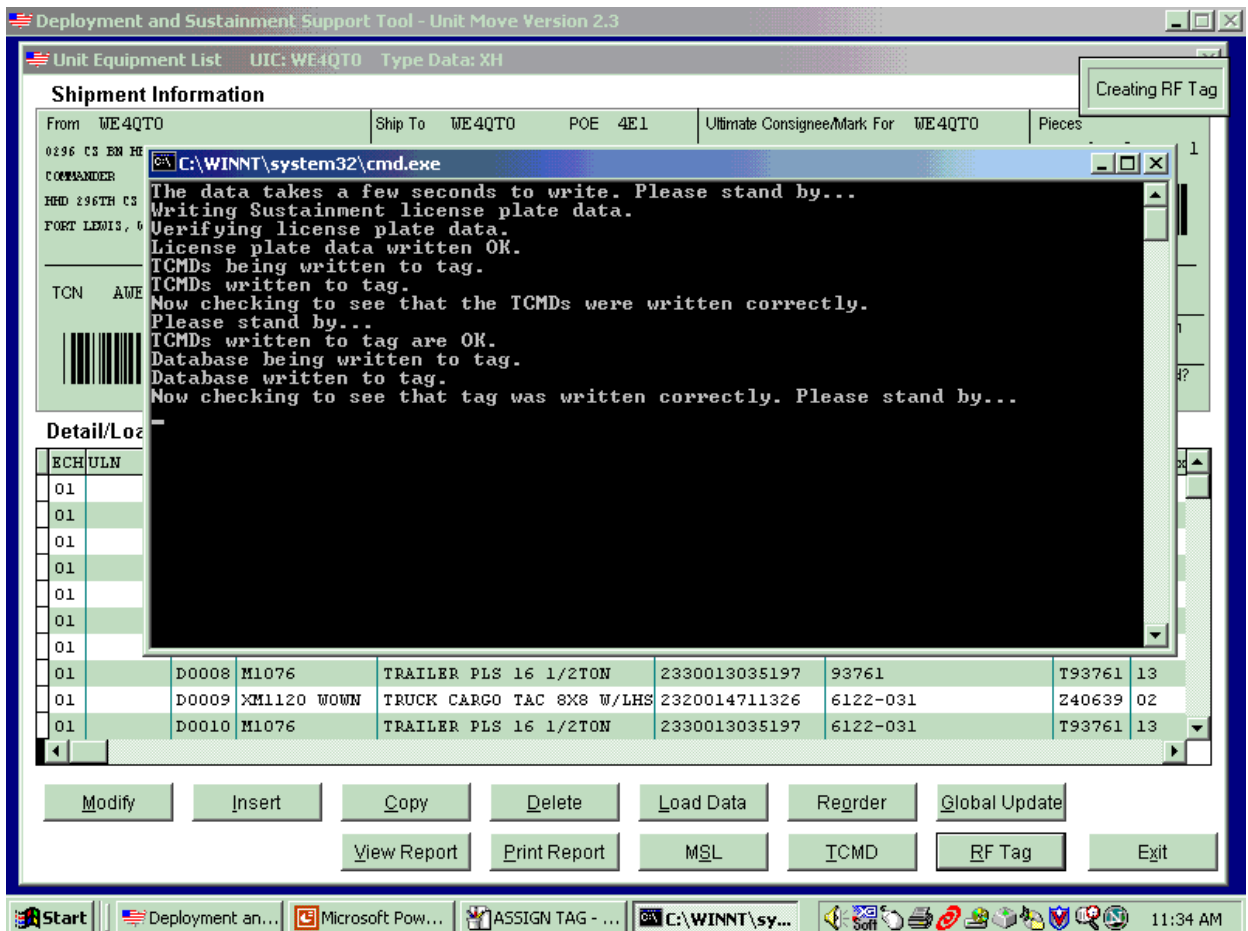


Figure 2-35 System Processing

2-52. Click Transfer (Figure 2-36).

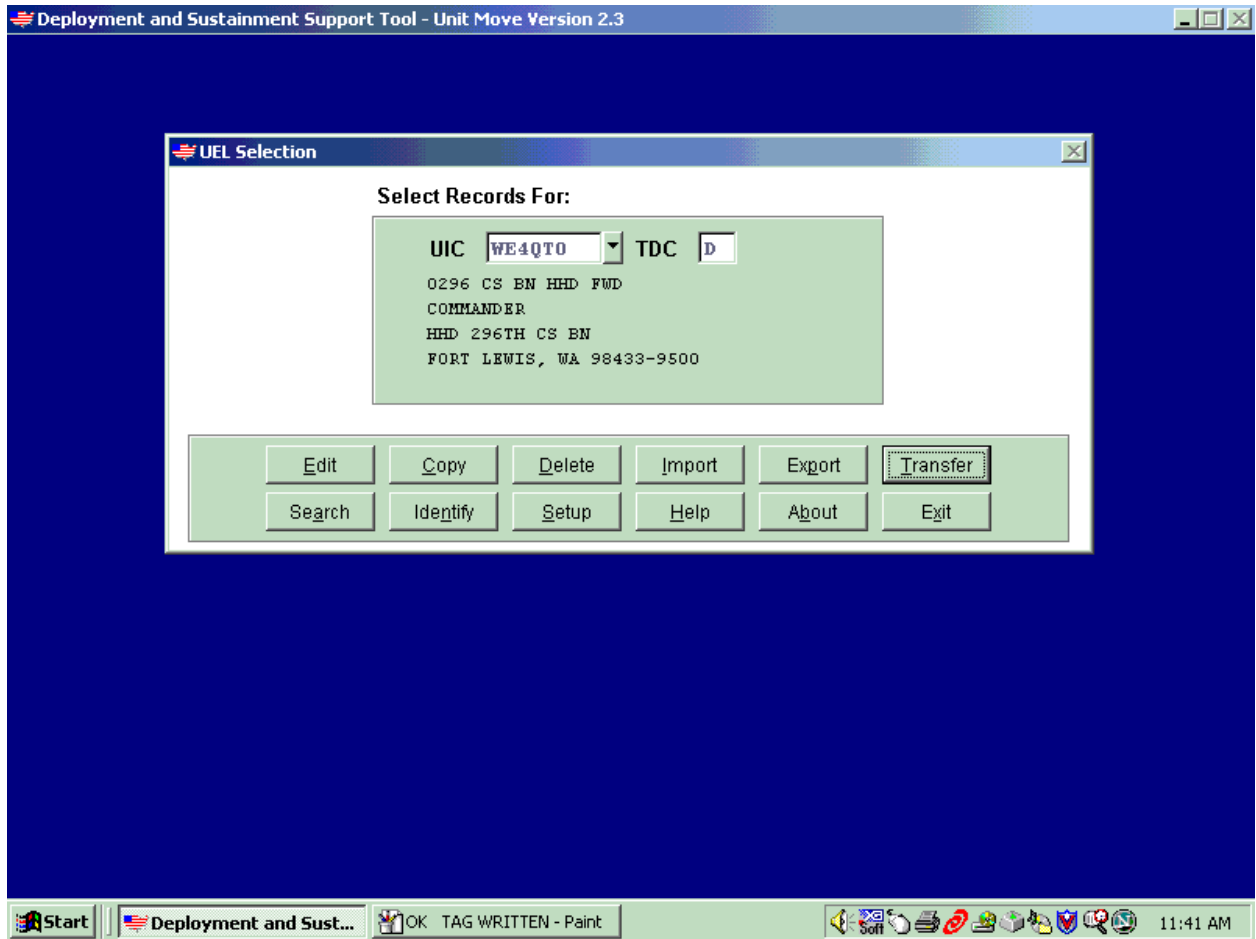


Figure 2-36 UEL Selection

2-53. Select ITV Server Transfer and click OK (Figure 2-37)

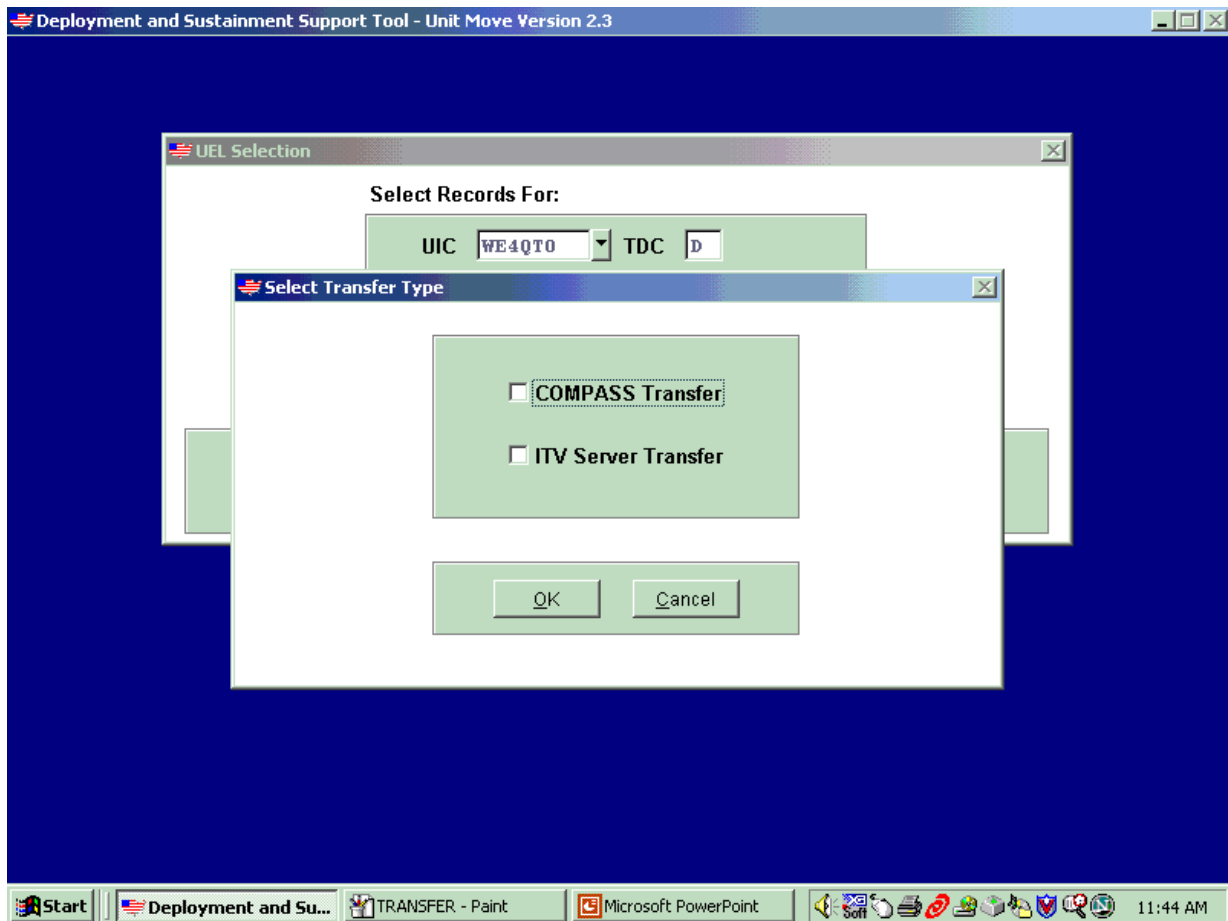


Figure 2-37 Transfer Type Selection

2-54. Select Transfer Records and Transfer Mode and the click OK (Figure 2-38)

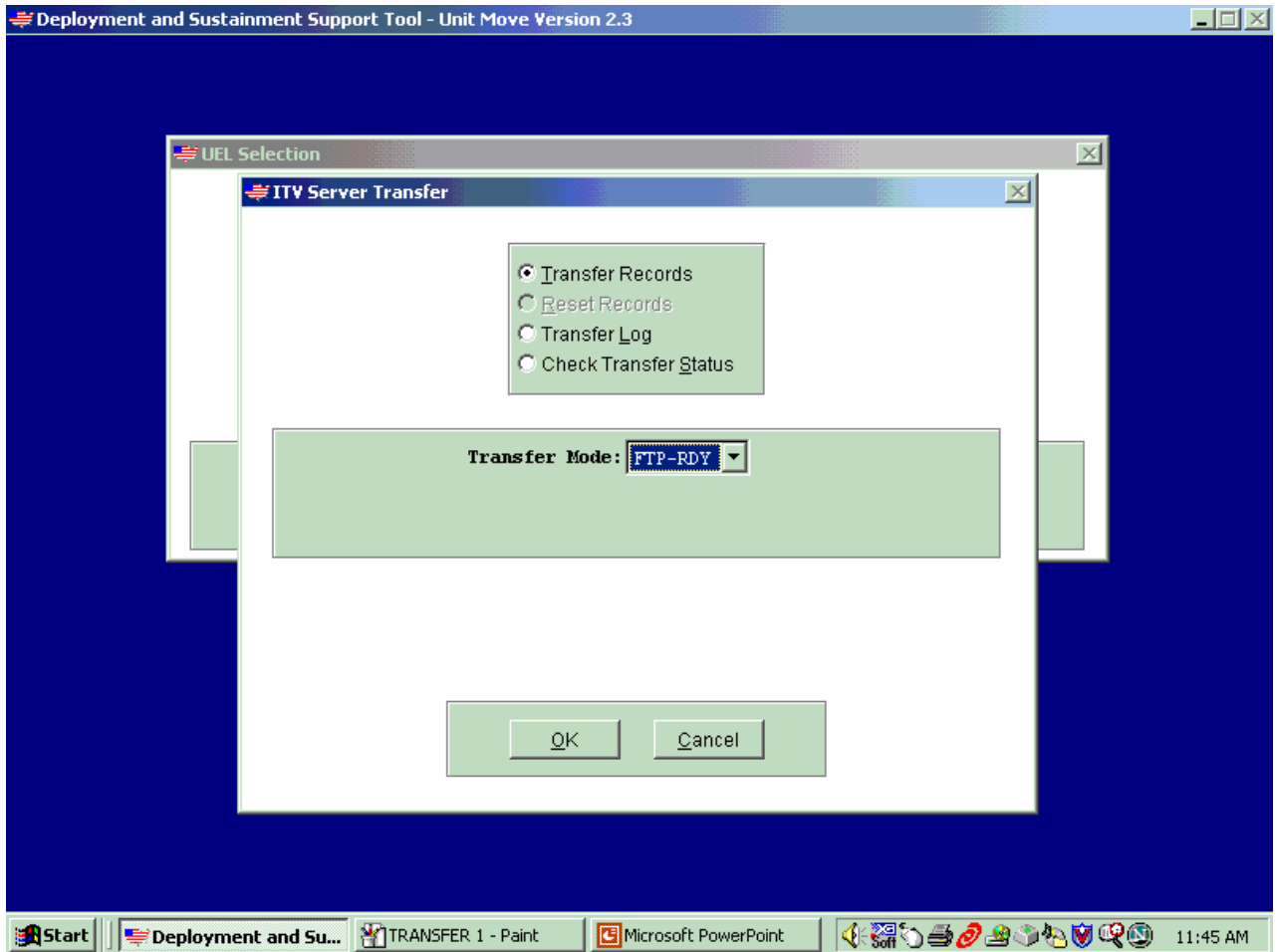


Figure 2-38 ITV Transfer

2-55. Status of transfer - should read “ITV Transfer Complete” and “Transfers Completed = 6” (Figure 2-39).

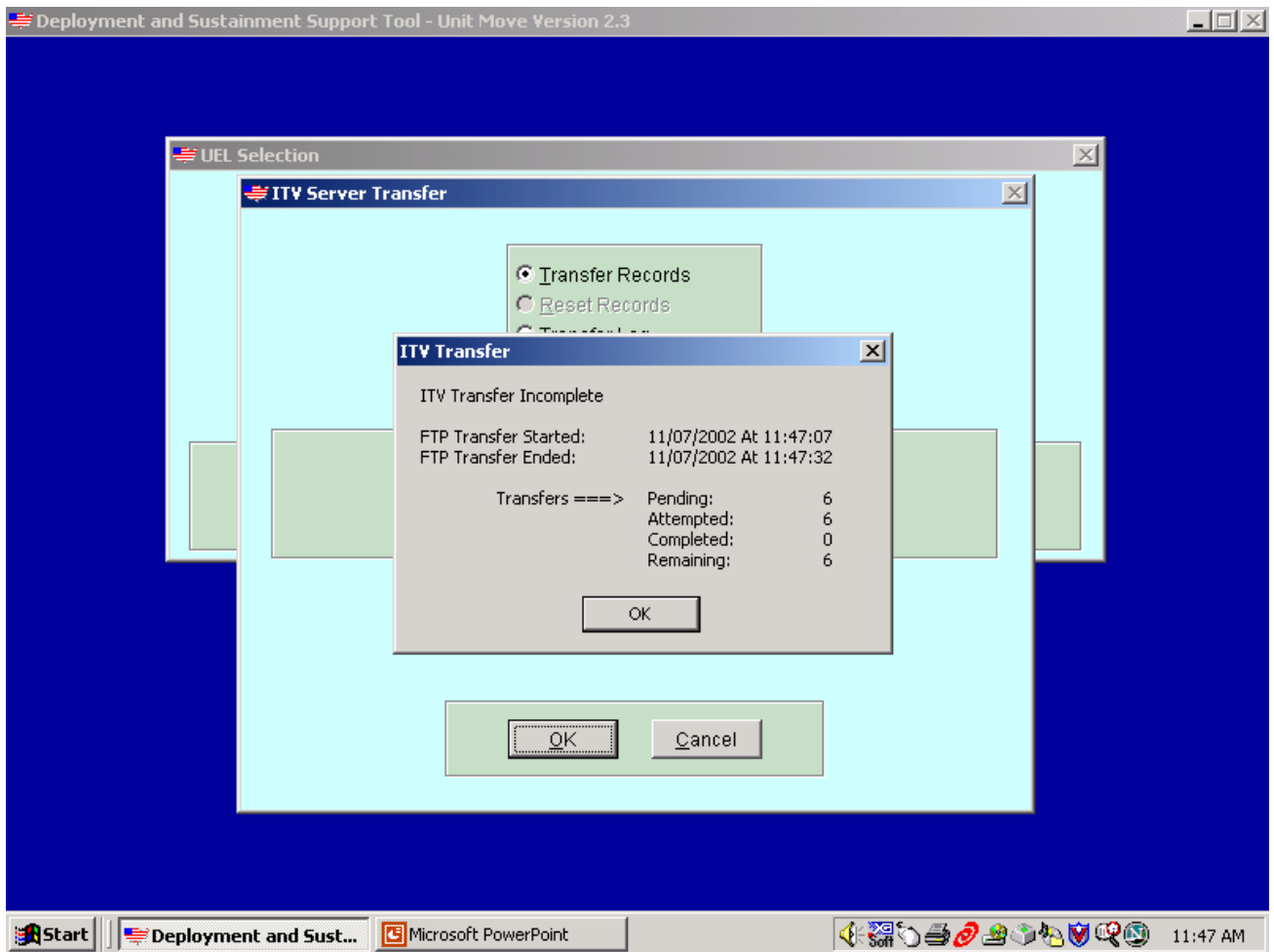


Figure 2-39 Transfer Status

Part 2 Creating Military Shipping Labels

2-56. All military shipments, including vehicles and equipment, are marked with a military shipping label. Previously labels were prepared manually but are now done through an information management system. While the manually prepared version of the label looks slightly different from those prepared with an information management system, the information is displayed in the same numbered blocks.

2-57. All transportation information management systems can produce a bar-coded MSL (Figure 2-40). Special printers (Figure 2-41) are used to print labels however DS2T can also print labels on any card stock with most laser jet printers.

3. From WK4GEY		9. ULTIMATE CONSIGNEE OR MARK FOR WK4GEY	
			
1. TRANSPORTATION CONTROL NUMBER *AWHGEAA\$0F00090XX*			
			
16. PIECES 1 OF 1 		5. SHIP TO/POE DOV	
		6. TRANSP PRIORITY 2	
8. PROJECT 9EV	14. DATE SHPD 20000127	11. RDD	7. POD TZR
10. WT/CU THIS PC 03965/0451	4. TYPE SERVICE A	ULN ULN123	UIC WS1EAA
19. NSN 8115001682275	20. NOM MILVAN	21. COMM CFBCC	22. SERIAL NUMBER 1234567890123
18. TCMD/SUPPLY INFO 		2. POSTAGE DATA/TAC	

DOD AIT TEST IN EUCOM MSL, Version 2.1, 28 April 1995

Figure 2-40 Bar Coded MSL



Figure 2-41 MSL Printers

2-58. Suggested placement of MSLs on vehicles and equipment is covered in Section 4.

TC ACCIS.

2-59. From the main menu in TC ACCIS select 7 Transportation Documentation (Figure 2-42).

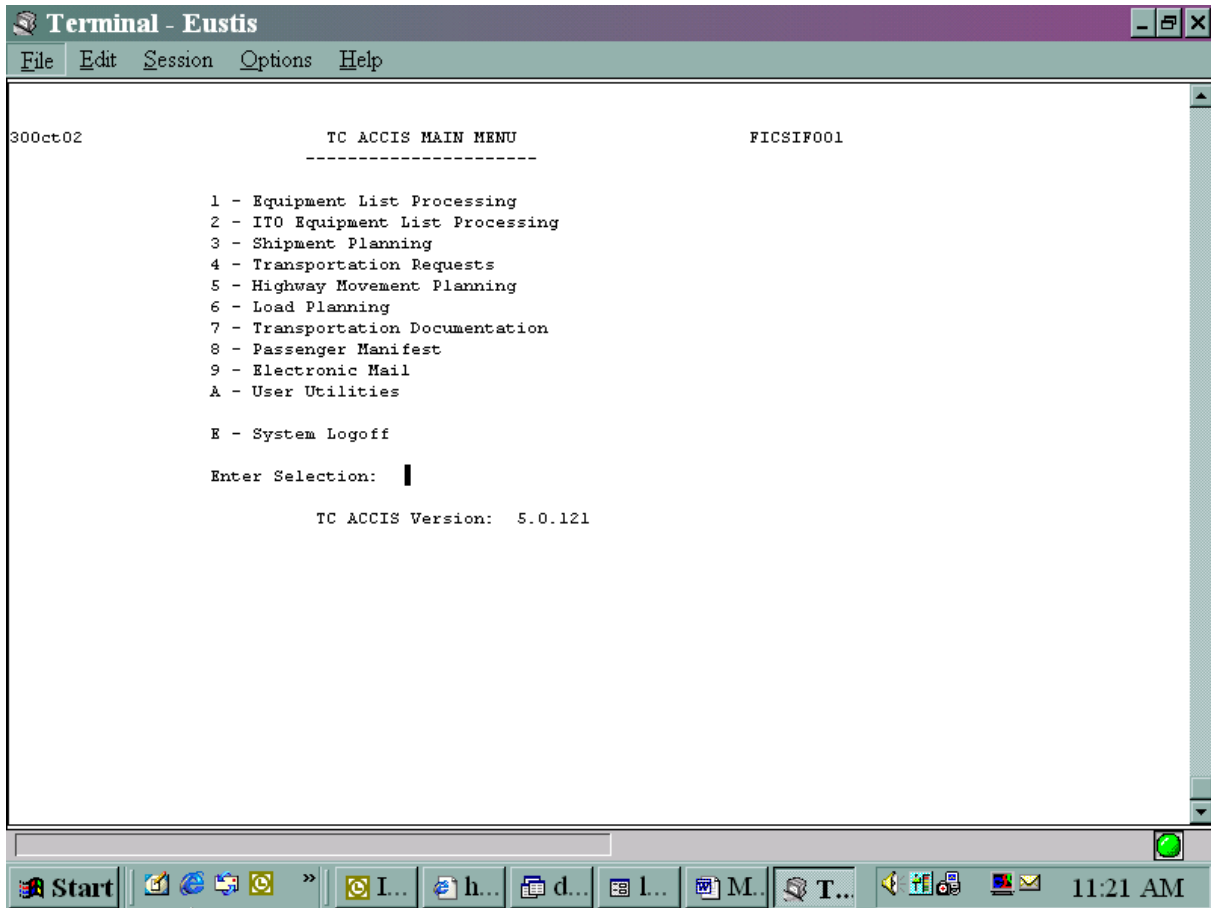


Figure 2-42 TC ACCIS Main Menu

2-60. Select 1 Military shipment label (Figure 2-43).

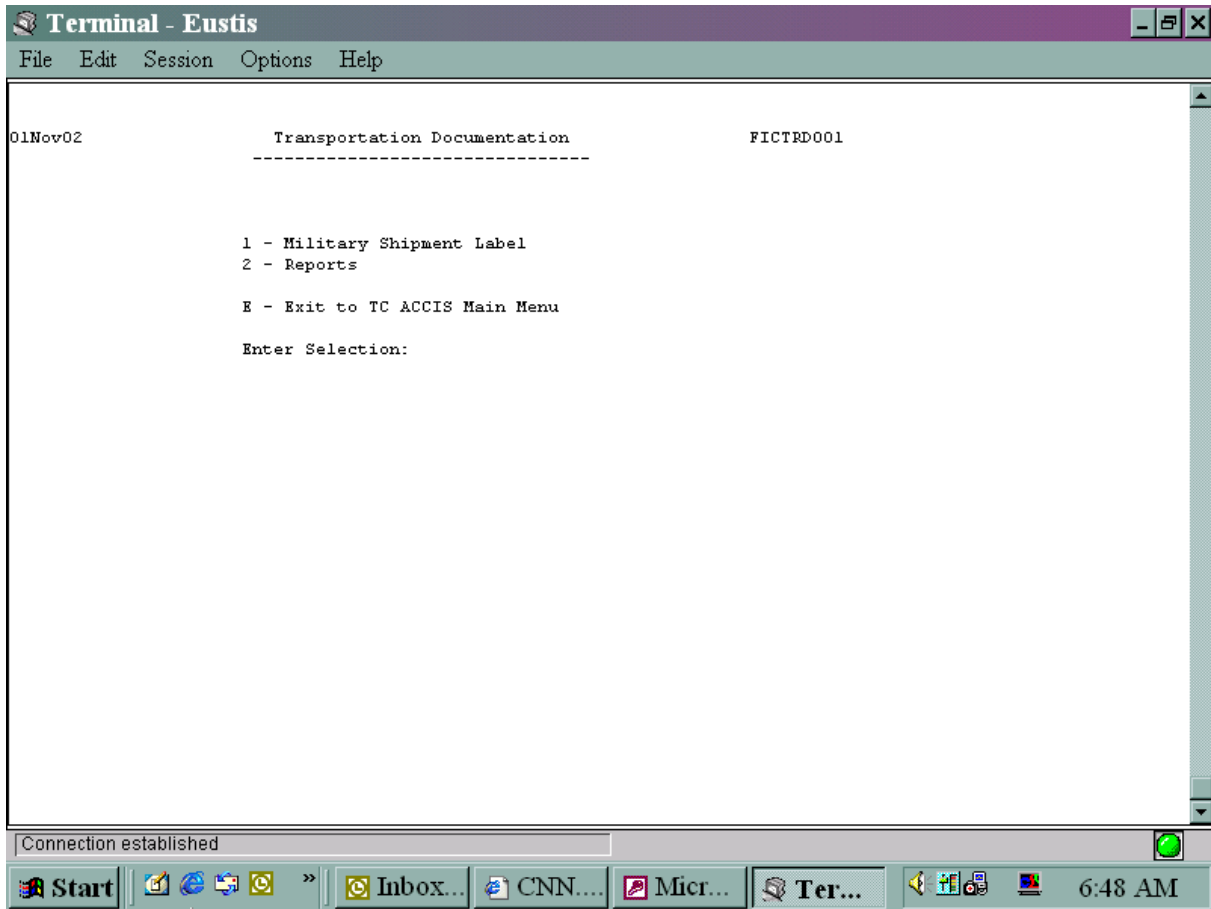
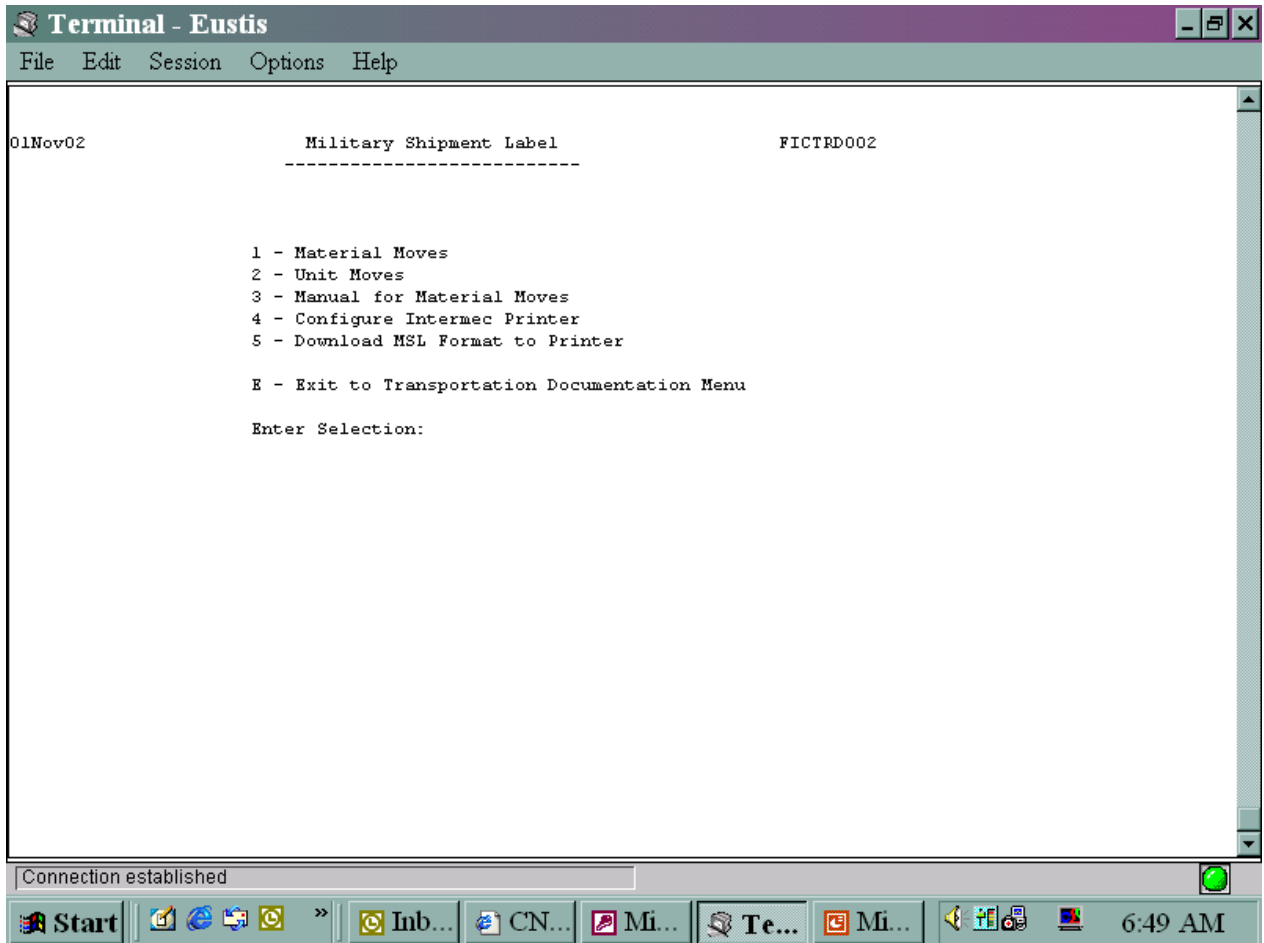


Figure 2-43 Transportation Documentation Menu

2-61. Select 2 Unit Moves (Figure 2-44).



2-62. Select item to be printed and press ESC (Figure 2-45). Retrieve label from printer.

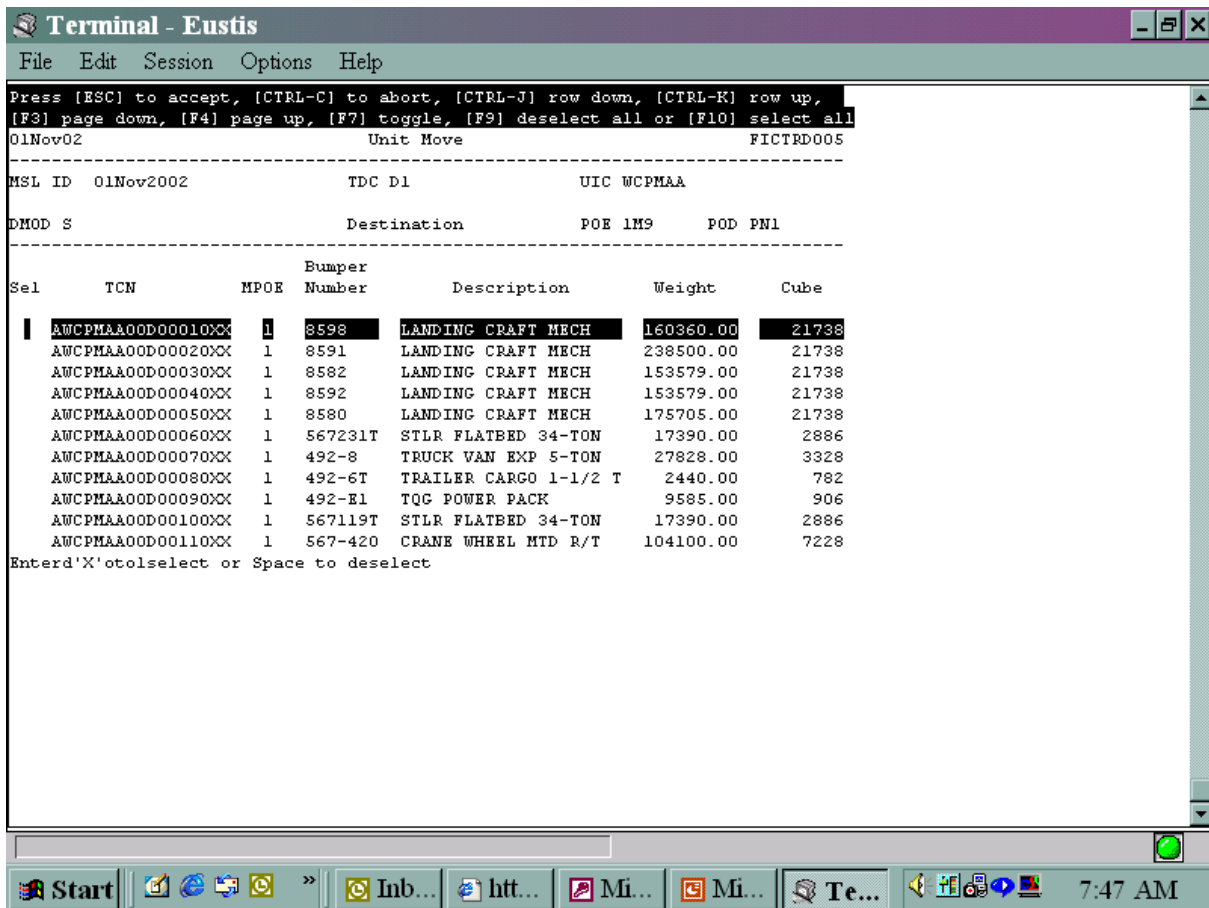


Figure 2-45 Item Selection

TC-AIMS II

2-63. From Movement Execution menu drop down to Track Movement and click on Print/Create Labels. Select one or two Dimensional MSL and follow prompts (Figure 2-46). Retrieve labels from printer.

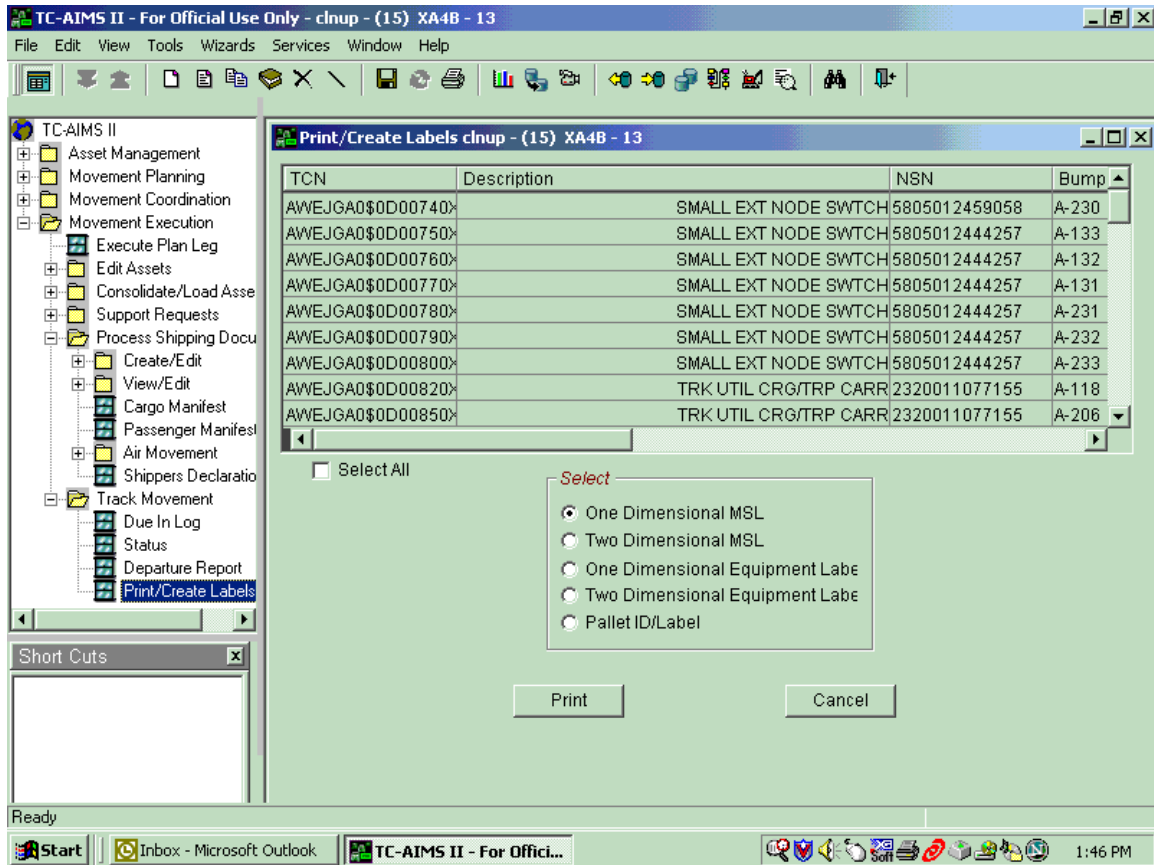


Figure 2-46 TC-AIMS II Menu

DS2T

2-64. Log onto DS2T and open the DEL, select MSL, then Equipment and click OK (Figure 2-47).

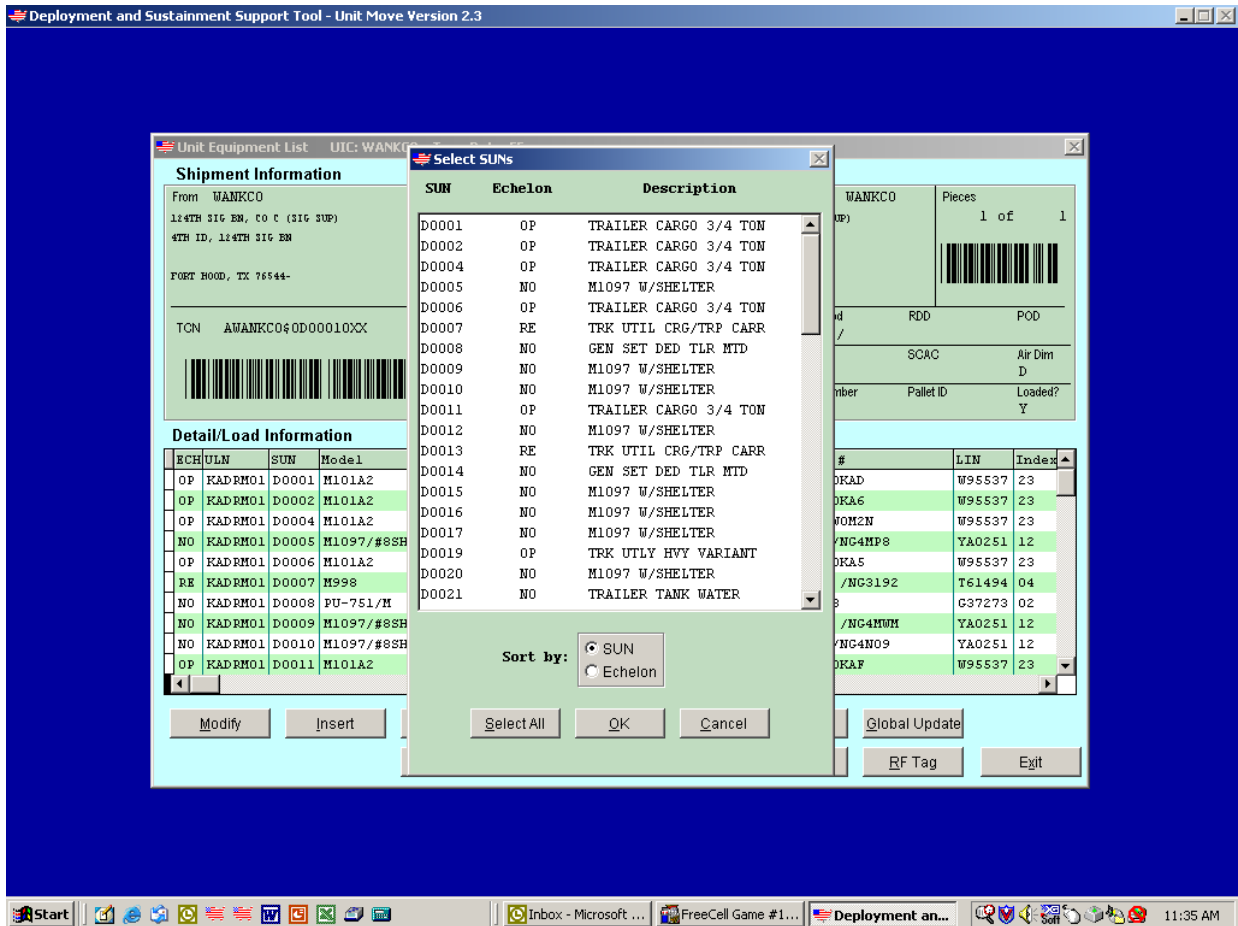


Figure 2-47 DS2T Main Menu

2-65. Select printer, preview report, and then click OK (Figure 2-48).

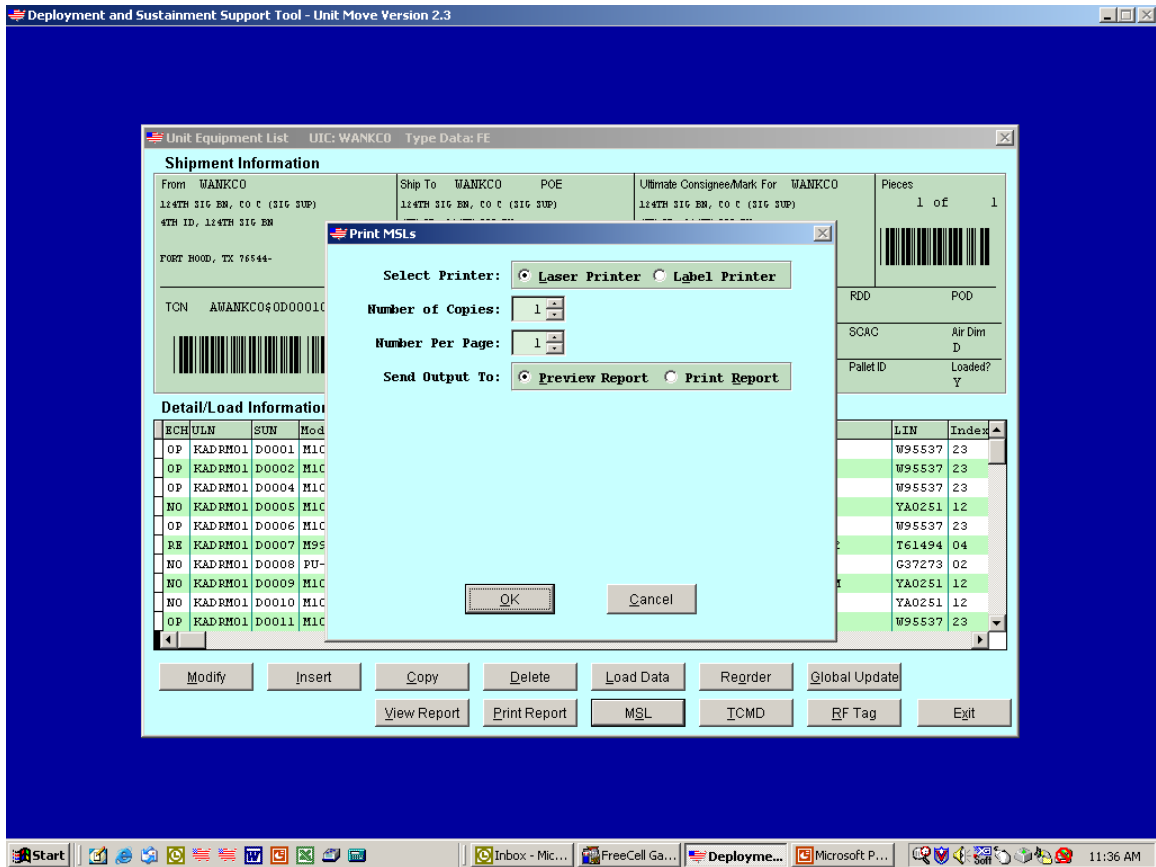


Figure 2-48 Print MSLs

2-66. Review label for correctness, select Print, and retrieve label from printer (Figure 2-49).

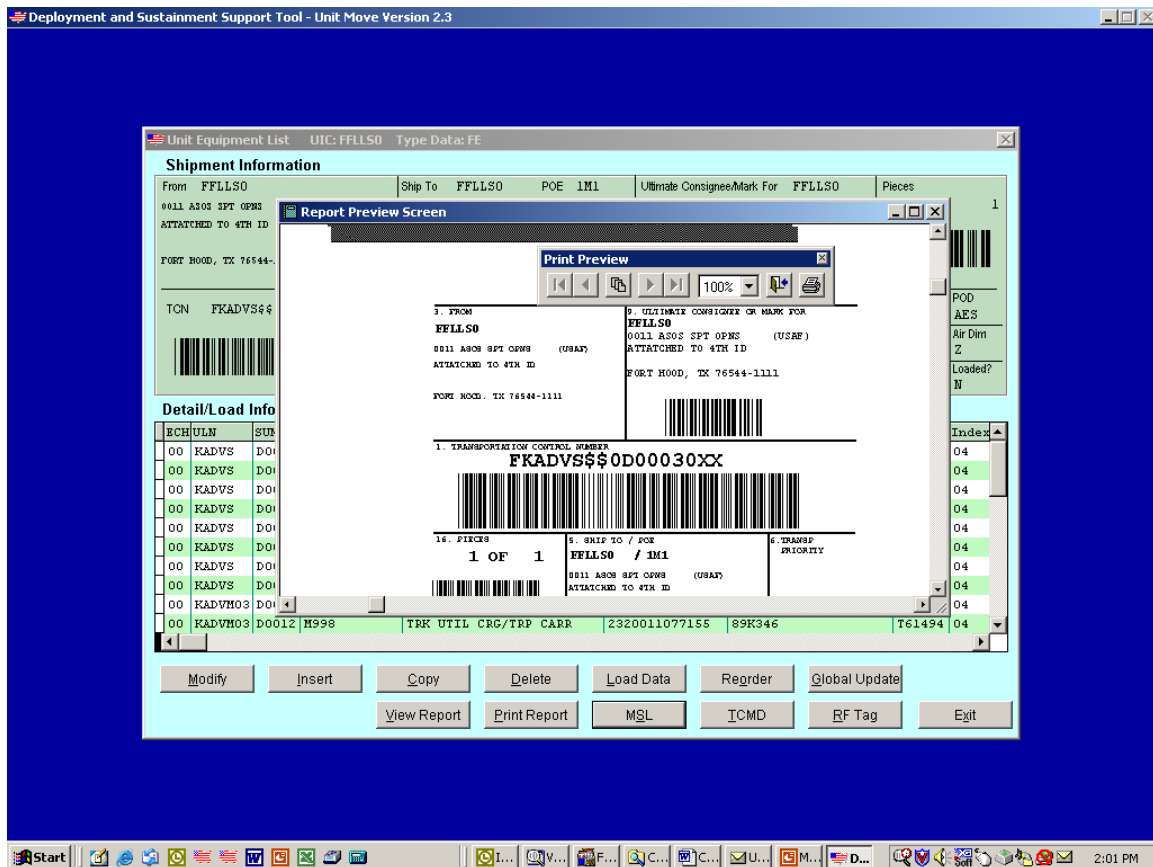


Figure 2-49 Report Preview

Section 3

Accessing ITV Information

INTRODUCTION

3-1. The purpose of this section is to demonstrate the means of accessing stored ITV data. Figure 3-1 is a schematic of the system that creates, reads, and stores ITV information.

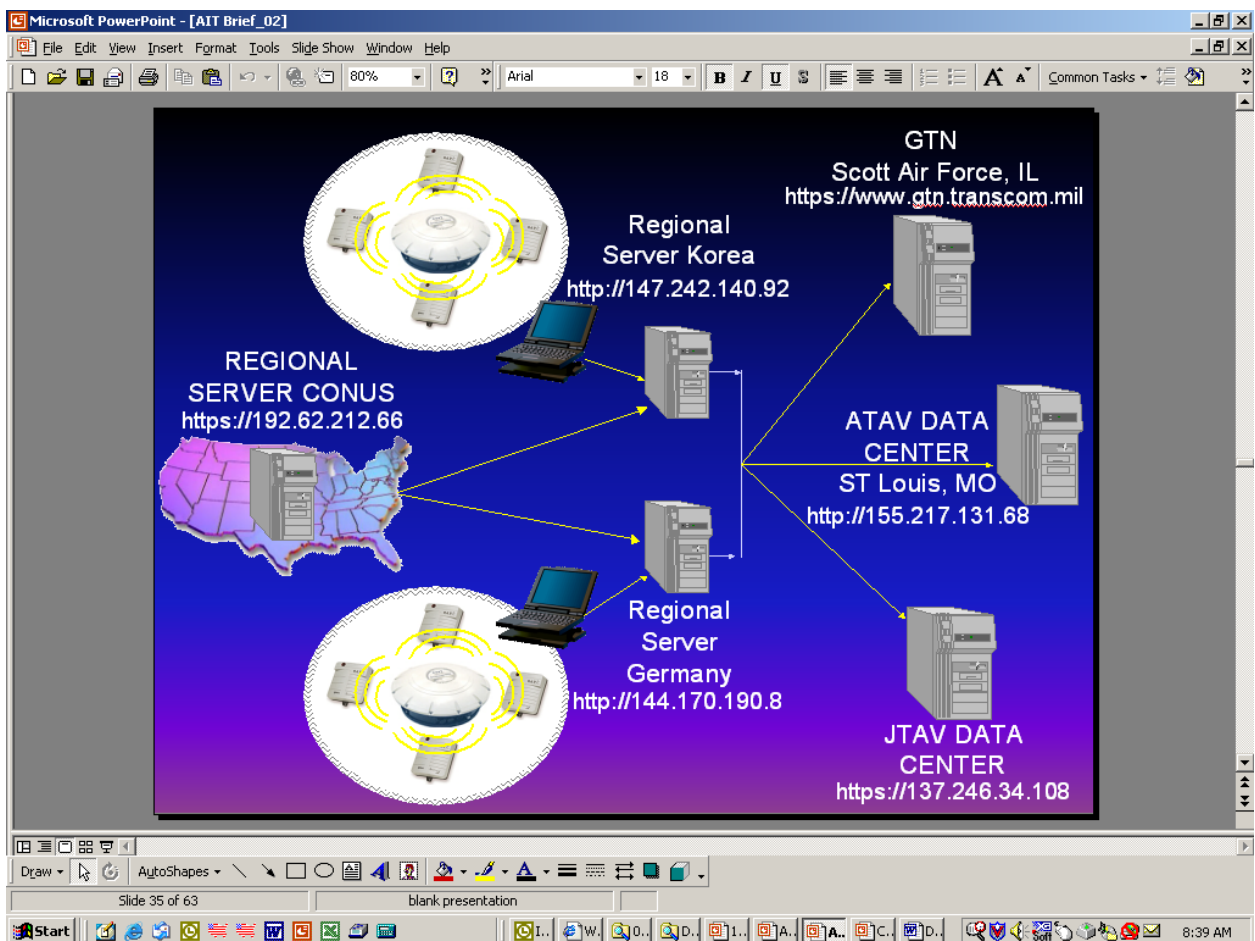


Figure 3-1 ITV System Schematic

THE ACCESS PROCESS

3-2. The first step in accessing the system is obtaining a password. Go to your browser, type in <https://192.62.212.66>, click on the RF-ITV logo (see Figure 3-2) and follow the directions to obtain an account. NOTE: It is suggested that you obtain the password and become familiar with the system before you deploy.

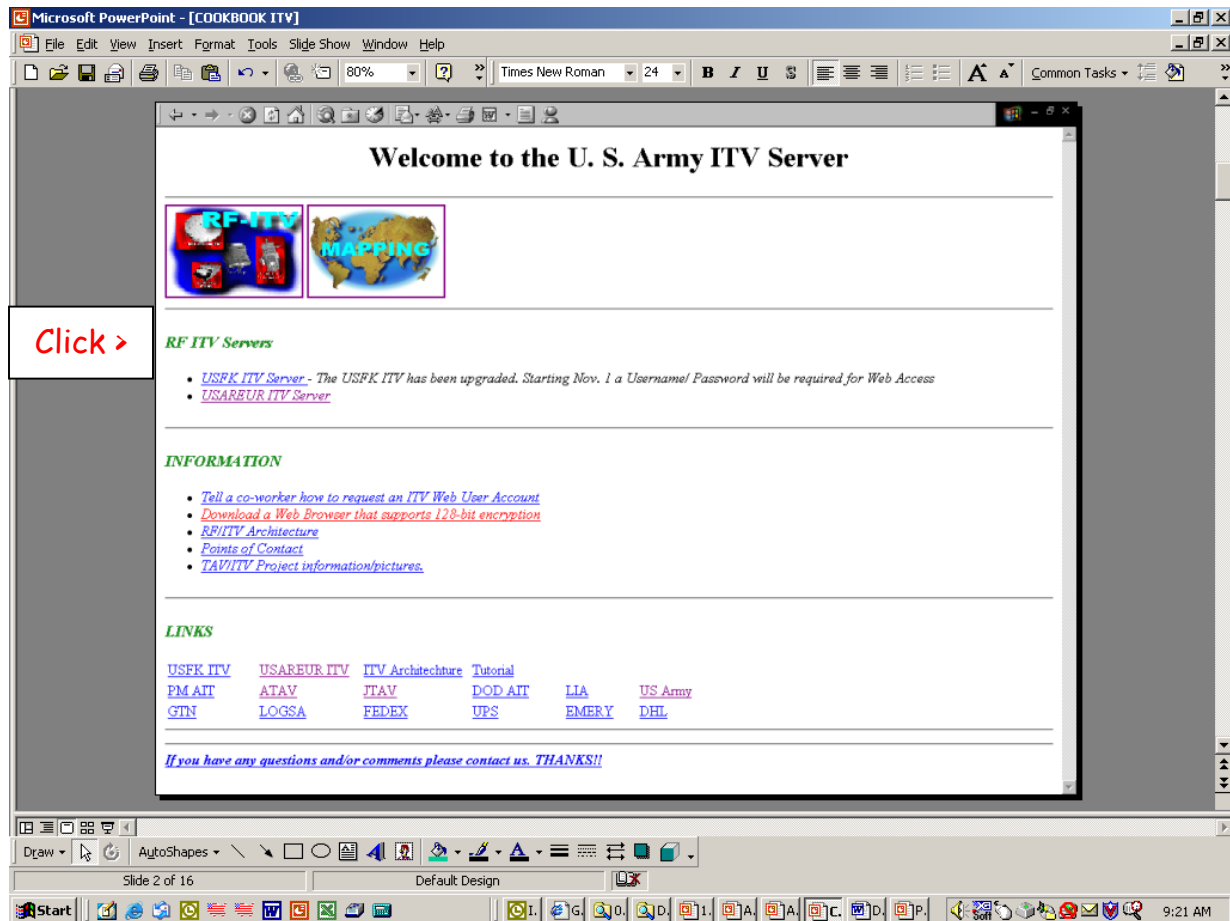


Figure 3-2 Initial Screen ITV Server

3-3. Select the server to be used for the query. All data, including USAREUR and USFK (Korea), is consolidated on the CONUS server but you may view any of the three with your single password.

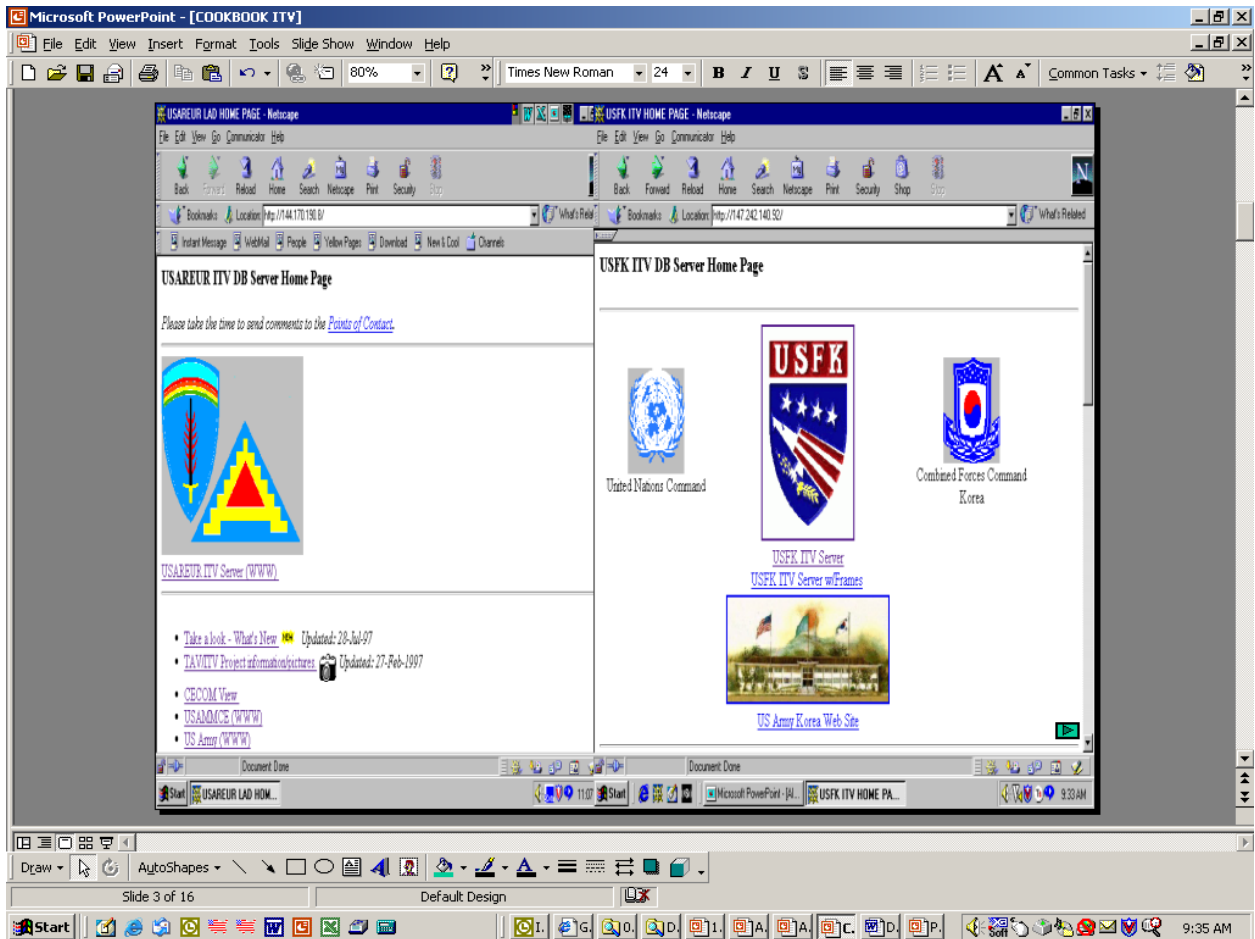


Figure 3-3 Theater Server Selection Page

3-4. The next step is selecting the type of query. Using the TCN, document number (DOC#), or tag identification number (Tag ID) are the quickest way to query the system. If you are unsure of the type of query this is most appropriate click on ?Queries? to get an explanation of all types of queries available.

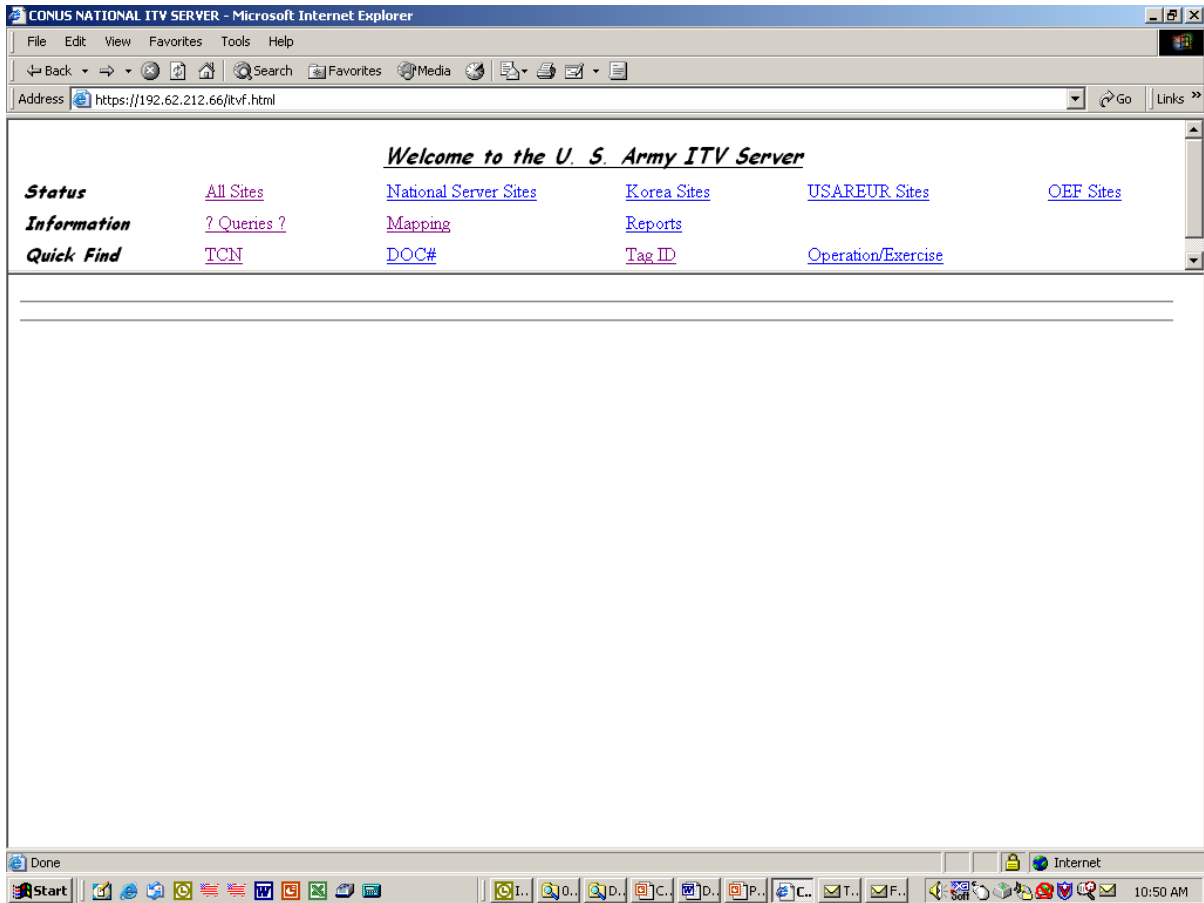


Figure 3-4 Query Selection

3-5. This screen will appear when the ?Queries? selection is made and explains each type of query by key data elements.



RF/ITV Queries	
Query by key data elements	Shows a form that the user can enter in query criteria. Only one data entry value can be entered per query. Try the new query Advanced Query for a Shipment or Commodity to answer your questions.
Query for a shipment	This Query has been replaced by the Advanced Query for a Shipment or Commodity
NEW Advanced Query for a Shipment or Commodity NEW	Choose from three new queries, each query allows multiple inputs
TAG/TCN/DODAAC list query	Shows a form where the user can enter in a list of TCNs/TAGs/DODAACs and get the status on the entire list. The report can then be displayed or emailed to you.
Query for Military Unit / Service Data	List of all the Military Units / Services Data (if entered when the tag was written) for the past 120 days
Query for Military Exercise / Operation Data	List of all the Military Exercise / Operation data (if entered when the tag was written) for the past 120 days
Query for Commodity Class Data	List of all the Commodity Class data (if entered when the tag was written) for the past 120 days
Summary Reporting of Tags/Shipment	Shows a form for the user to select either TAG or TCN summary report by each site.
Weekly Write/Read Report for Sites	Shows last 7 days of Tags written by site.
Monthly Write/Read Report for Sites	Shows last 30 days of Tags written by site.
RF/ITV Network Management	Displays a list of query for use to manage the interrogator network.
Interrogator Sites	Look up the past 2 weeks activity for multiple interrogators at a site. Check if your interrogator is over interrogating tags.
Port Identifiers	Look up the Port Name and City based upon a specific port identifier (i.e. CHS).
Port Name	Look up the Port Identifier and City based on a partial Port Name (i.e. New York).
Port Country	Look up the ports with in a Country based on a partial country name (i.e. UNITED).

Figure 3-5 Explanations of ITV Queries

3-6. Enter the known data elements regarding the shipment and click on the Submit Query. Any one of the data elements is sufficient to query the system.

ITV/RF QUERY BY KEY DATA ELEMENTS

Please enter the data in ONE of the fields and then submit the query.

DODAAC/Document Number

Transportation Control Number (TCN)

NONE

Consignee

Consignor

NSN

NIIN

Nomenclature

Tag Number

Container/Pallet Number

Free Text

Start | ITV/RF Q... | Inbox - Micro... | Exploring - D... | Microsoft Po... | 4:06 PM

Figure 3-6 Query Data Submission

3-7. The following sample screen shots are the results of using the query categories. Figure 3-7 shows the result of selecting Operation/Exercise from the menu on Figure 3-4.

List of all Military Exercises / Operations associated with Shipments
for the past 120 days - Mon Feb 4 21:06:01 GMT 2002

MIL_EXERCISE_OPE	SHOW_SHIPMENTS	Nbr_of_Shipments
AD	->	1
BRIGHT STAR	->	1
BRIGHTSTAR02	->	376
BS 01/02	->	8
BS-01	->	42
CAMP SNOOPY	->	11
EEDSK DELIVERY	->	20
EF	->	36
EFO2	->	2
ENDURING FREEDOM	->	138
KFOR3B	->	1
OEF	->	168
POISE CHECK	->	2
SENSITIVE	->	15
SFOR11	->	136
XXX	->	1

16 records.

Figure 3-7 List of Military Exercises

3-8. The data listed in Figure 3-8 is a result of selecting Operation Enduring Freedom. These are the shipments in the system associated with the operation for the previous 120 days.

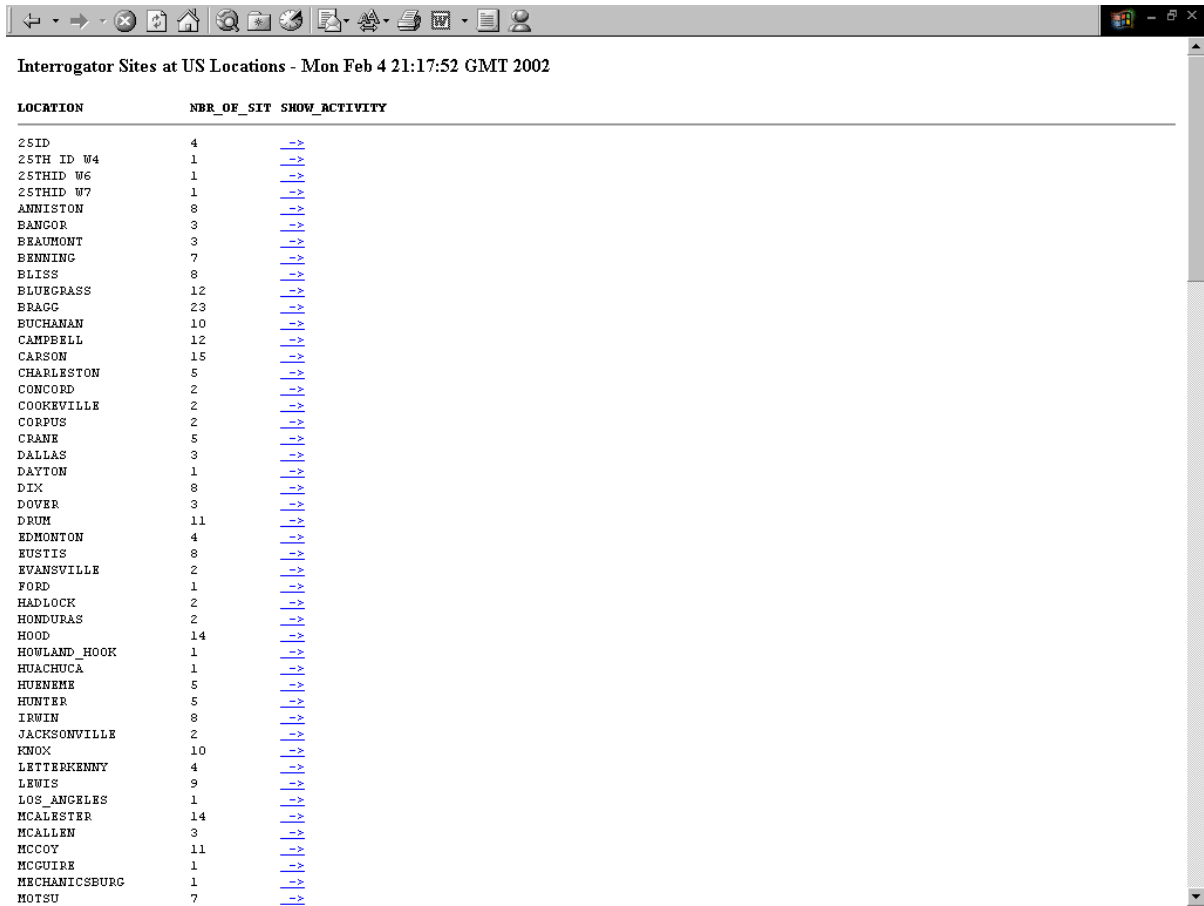
Shipments associated with the Military Exercise / Operation in the past 120 days

Criteria: operation = ENDURING

EXERCISE_OPERATI	LEAD_TCN	CNSGNE	CNSGMR	POE	POD	UNIT	CLASS	COMMENTS	WRITE_DTG	LAST_LOC
ENDURING FREEDOM	AWAB3A050F000300X	WAB3A0	W34GNA	HOP	KDH	A, 4-101 A	463L PALLE	CW2 CORTZKE, 4-101 AVN, 798-4088, U	18-JAN-02 20:30:00	OFF EEDSH
ENDURING FREEDOM	AWAB3A050F002500X	WAB3A0	W34GNA	HOP	KDH	A, 4-101 A	ISU-90	CW2 CORTZKE, 4-101 AVN, 798-4088, U	18-JAN-02 20:34:00	OFF EEDSH
ENDURING FREEDOM	AWAB3A050F003200X	WAB3A0	W34GNA	HOP	KDH	A, 4-101 A	QUADCON ON	CW2 CORTZKE, 4-101 AVN, 798-4088, U	18-JAN-02 20:31:00	OFF EEDSH
ENDURING FREEDOM	AWAB3A050F003300X	WAB3A0	W34GNA	HOP	KDH	A, 4-101 A	QUADCON ON	CW2 CORTZKE, 4-101 AVN, 798-4088, U	18-JAN-02 20:32:00	OFF EEDSH
ENDURING FREEDOM	AWAB3A050F003400X	WAB3A0	W34GNA	HOP	KDH	A, 4-101 A	QUADCON ON	CW2 CORTZKE, 4-101 AVN, 798-4088, U	18-JAN-02 20:32:00	OFF EEDSH
ENDURING FREEDOM	AWACFC050F007400X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:41:00	CAMPELL
ENDURING FREEDOM	AWACFC050F007500X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:38:00	CAMPELL
ENDURING FREEDOM	AWACFC050F007600X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:39:00	CAMPELL
ENDURING FREEDOM	AWACFC050F007700X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:40:00	CAMPELL
ENDURING FREEDOM	AWACFC050F007800X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:40:00	CAMPELL
ENDURING FREEDOM	AWACFC050F007900X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:41:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008000X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:38:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008100X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:44:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008200X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:44:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008300X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:45:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008400X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:45:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008500X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:46:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008600X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:46:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008700X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:47:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008800X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:48:00	CAMPELL
ENDURING FREEDOM	AWACFC050F008900X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:48:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009000X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:49:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009100X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:51:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009200X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:51:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009300X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:52:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009400X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:52:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009500X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:53:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009600X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:54:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009700X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:54:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009800X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:55:00	CAMPELL
ENDURING FREEDOM	AWACFC050F009900X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:55:00	CAMPELL
ENDURING FREEDOM	AWACFC050F010000X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 18:56:00	CAMPELL
ENDURING FREEDOM	AWACFC050F010100X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 19:00:00	CAMPELL
ENDURING FREEDOM	AWACFC050F010200X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 19:01:00	CAMPELL
ENDURING FREEDOM	AWACFC050F010300X	WACFC0	W34GNA	HOP	KDH	C, 626 FSB	463L PALLE	SGT DIAGO, C, 626 FSB, 798-5525, UL	25-JAN-02 19:01:00	CAMPELL
ENDURING FREEDOM	AWACFT050F000100X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:47:00	CAMPELL
ENDURING FREEDOM	AWACFT050F000300X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:48:00	CAMPELL
ENDURING FREEDOM	AWACFT050F000400X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:49:00	CAMPELL
ENDURING FREEDOM	AWACFT050F000500X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:50:00	CAMPELL
ENDURING FREEDOM	AWACFT050F000600X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-96-RC	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:47:00	CAMPELL
ENDURING FREEDOM	AWACFT050F001300X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:57:00	CAMPELL
ENDURING FREEDOM	AWACFT050F001600X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:58:00	CAMPELL
ENDURING FREEDOM	AWACFT050F001700X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:58:00	CAMPELL
ENDURING FREEDOM	AWACFT050F001800X	WACFT0	W34GNA	HOP	NRW	HHC 626 FS	ISU-90	SSG HUFFORD, HHC 626 FSB, 798-3922	18-JAN-02 17:59:00	CAMPELL

Figure 3-8 Operation Enduring Freedom Shipments

3-9. Figure 3-9 shows the result of selecting sites at US locations from the menu on Figure 3-4.



LOCATION	NBR_OF_SIT	SHOW_ACTIVITY
25ID	4	->
25TH ID W4	1	->
25THID W6	1	->
25THID W7	1	->
ANNISTON	8	->
BANGOR	3	->
BEAUMONT	3	->
BENNING	7	->
BLISS	8	->
BLUEGRASS	12	->
BRAGG	23	->
BUCHANAN	10	->
CAMPBELL	12	->
CARSON	15	->
CHARLESTON	5	->
CONCORD	2	->
COOKEVILLE	2	->
CORPUS	2	->
CRANE	5	->
DALLAS	3	->
DAYTON	1	->
DIX	8	->
DOVER	3	->
DRUM	11	->
EDMONTON	4	->
EUSTIS	8	->
EVANSVILLE	2	->
FORD	1	->
HADLOCK	2	->
HONDURAS	2	->
HOOD	14	->
HOWLAND_HOOK	1	->
HUACHUCA	1	->
HUENEME	5	->
HUNTER	5	->
IRWIN	8	->
JACKSONVILLE	2	->
KNOX	10	->
LETTERKENNY	4	->
LEWIS	9	->
LOS_ANGELES	1	->
MCALESTER	14	->
MALLEN	3	->
MCCOY	11	->
MCGUIRE	1	->
MECHANICSBURG	1	->
MOTSU	7	->

Figure 3-9 US Locations

3-10. Figure 3-10 is the result of selecting Fort Campbell and lists the site activity at that installation for the previous two weeks.

Query for Site Activity for past 2 weeks

Criteria: loc = CAMPBELL

TAG_ID	INT_ID	INT_NAME	INT_DESCRIPTION	TXN_TY	RF_MITS	SHOW_TAG
128005	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128008	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128011	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	14	->
128011	23020	CAMPBELLR5	CAMPBELL BARGE TRAFFIC ARRIVAL/DEPARTURE	READ	3	->
128012	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	11	->
128013	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128014	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	11	->
128014	23020	CAMPBELLR5	CAMPBELL BARGE TRAFFIC ARRIVAL/DEPARTURE	READ	2	->
128015	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	13	->
128016	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	12	->
128016	23020	CAMPBELLR5	CAMPBELL BARGE TRAFFIC ARRIVAL/DEPARTURE	READ	4	->
128792	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128793	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128793	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128794	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128794	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128795	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128795	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128796	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128796	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128797	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128797	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128798	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128799	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128799	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128800	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128802	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128803	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128803	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1	->
128804	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128804	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	3099	->
128805	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128805	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	826	->
128806	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128806	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	1461	->
128807	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128807	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	2774	->
128808	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128808	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	2316	->
128809	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128809	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	104	->
128810	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128810	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	2399	->
128811	21824	CAMPBELLW2	FT CAMPBELL WRITE STATION-2	WRITE	1	->
128811	23016	CAMPBELLR6	CAMPBELL ALERT HOLDING AREA	READ	930	->



Figure 3-10 Site Activity at Fort Campbell

3-11. Figure 3-11 shows the results of selecting Tag Number 128804. The details of the shipment can be obtained by clicking on the TCMD or Commodity icon.

TAG = 128804

LICENSE PLATE

LEAD TCN: AWACFC0\$0F007500X	CONTAINER: F0075
POE: HOP	POB: KDH
CONSIGNEE: WACFC0	CONSIGNOR: W34GNA
HAZMAT:	TP: 1
FREE TEXT: SGT DIAGO, C, 626 FSB, 790-5525, ULN TAIN 01	

 [TCMD](#)
 [COMMODITY](#)

EVENTS

DTG	EVENT	STATUS	SITE
28-JAN-02 14:25:00	READ		CAMPBELL ALERT HOLDING AREA
26-JAN-02 04:27:00	READ		CAMPBELL ALERT HOLDING AREA
25-JAN-02 18:38:00	WRITE		FT CAMPBELL WRITE STATION-2

Report: Mon Feb 4 21:22:31 GMT 2002

[Comments](#)

Figure 3-11 Tag Number Query

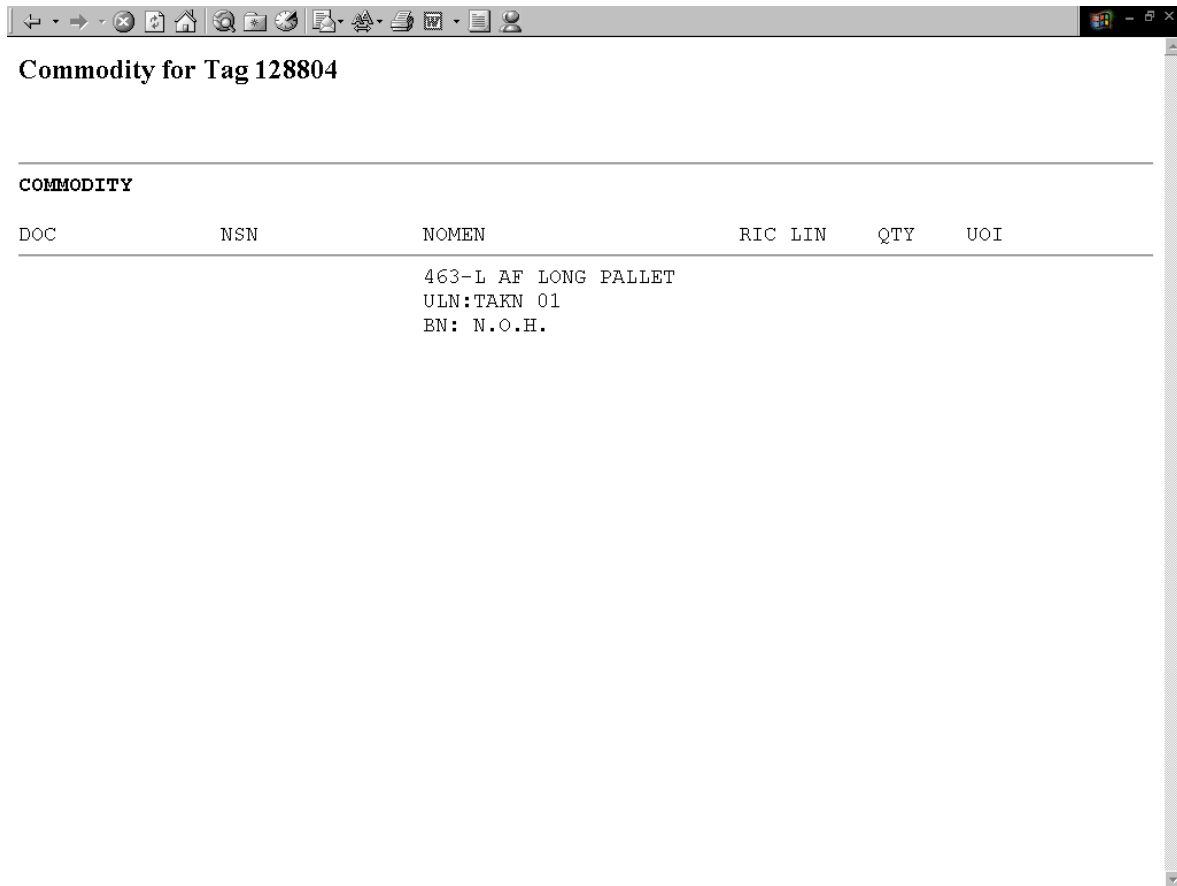
3-12. Figure 3-12 shows the results of clicking on the TCMD icon for Tag Number 128804.



MILSTRMP		
TX1F0102W34GNA	VZZHOPKDHFPPTAWACFC0\$0F00750\$XWACFC01999EF1A250ASAM0001003500022	
TX5	VZZHOPKDHFPPTAWACFC0\$0F00750\$XWACFC0100108L088W004H0001003500022	
TX6	VZZHOPKDHFPPTAWACFC0\$0F00750\$XWACFC011670008204896463-L AF LONG	
TX9	VZZHOPKDHFPPTAWACFC0\$0F00750\$XWACFC01463-L AF LONG PALLET	1
TX9	VZZHOPKDHFPPTAWACFC0\$0F00750\$XWACFC01ULN: TAKN 01	2
TX9	VZZHOPKDHFPPTAWACFC0\$0F00750\$XWACFC01LEN: N.O.H.	3

Figure 3-12 TCMD Query for Tag Number 128804

3-13. Figure 3-13 shows the results of clicking on the Commodity icon for Tag Number 128804.



Commodity for Tag 128804

COMMODITY					
DOC	NSN	NOMEN	RIC LIN	QTY	UOI
		463-L AF LONG PALLET			
		ULN:TAKN 01			
		BN: N.O.H.			

Figure 3-12 Commodity Query for Tag Number 128804

Section 4

Marking Standards

INTRODUCTION

3-14. The US Army shipped huge quantities of vehicles, equipment, and supplies during Desert Storm and thousands of pieces were never delivered because they were not marked properly. Creating the RF tags and MSLs correctly is essential but the effort is wasted if the tags and labels are not properly fastened to the equipment.

3-15. The purpose of this section is to briefly outline the positioning of tags and labels on vehicles and equipment.

VEHICLES

- Radio Frequency Tags – Vehicles will be marked with one RF tag. Attach the tag to grill or front of the bumper using nylon zip ties (see Figure 4-1).
- Military Shipping Labels – Vehicles will be marked with two MSLs. Attach one label to the left front bumper (driver's side) and one to the left door (driver's door) (see Figure 4-1).

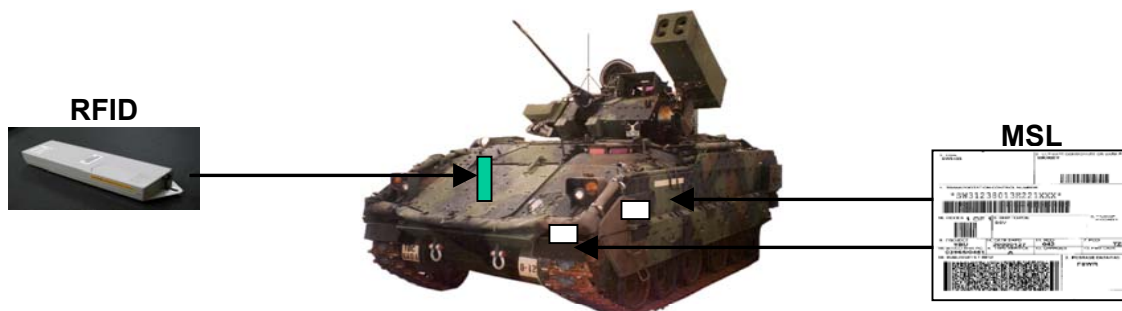


Figure 4-1 Vehicle Marking Standard

CONTAINERS

- Radio Frequency Tags – Containers will be marked with one RF tag. Attach the tag to the locking bar on the upper right side of the container door using nylon zip ties (see Figure 4-2).
- Military Shipping Labels – Containers will be marked with two MSLs. Attach one label to the door and one to the right side of the container as you look at the door (see Figure 4-2).

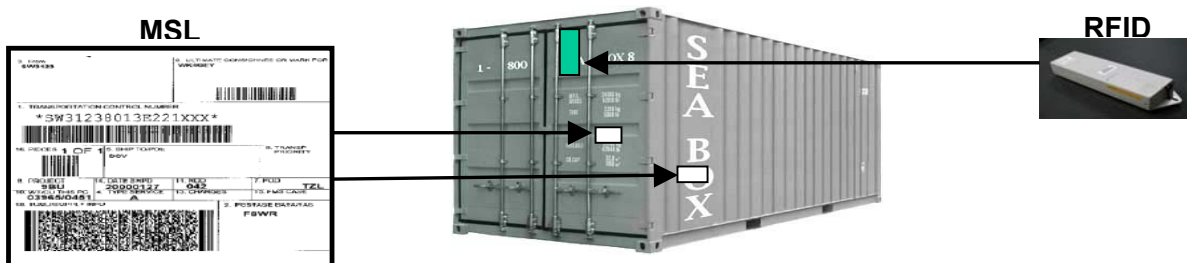


Figure 4-2 Container Marking Standard

PALLETS

- Radio Frequency Tags – Pallets will be marked with one RF tag. Attach the tag to the side of the pallet using nylon zip ties (see Figure 4-3) and outside of any protective wrapping.
- Military Shipping Labels – Pallets will be marked with two MSLs. Attach one label on the side of the pallet and one on the adjacent side (see Figure 4-3). Ensure that the MSLs are on the outside of any protective wrapping.

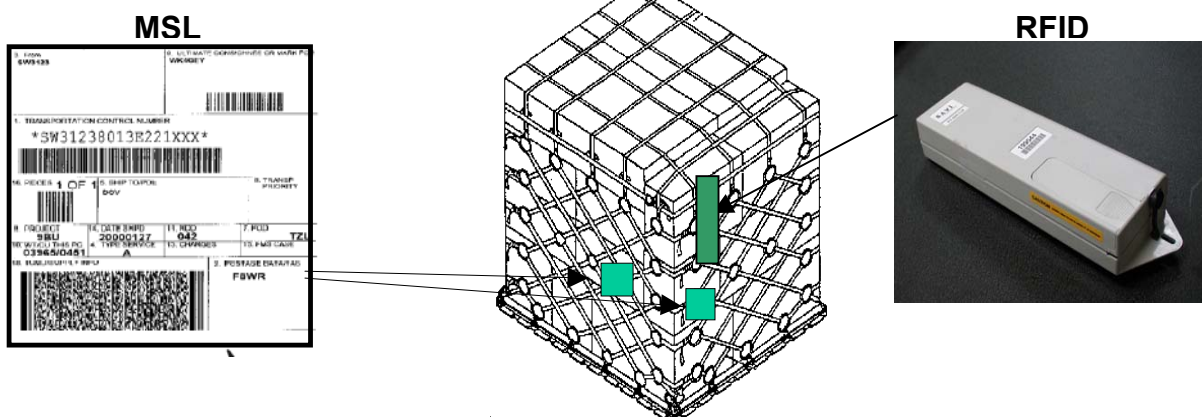


Figure 4-3 Pallet Marking Standard

OTHER ITEMS

- Radio Frequency Tags – Other items will be marked with one RF tag that is near a MSL. Attach the tag with nylon zip ties and outside of any protective wrapping.
- Military Shipping Labels – Other items will be marked with two MSLs similar to that described in 4.8. Labels should be mounted 2.5 feet to 6 feet off the ground on vehicles and approximately 2.5 feet off the ground on items that will be loaded on vehicles for transport. The labels should be positioned so that can be readily scanned.

DISPOSITION OF RF TAGS

- There are two stocks of RF tags, one for unit moves and the other for sustainment. In the case of unit moves the tags are usually hand receipted directly to the using unit. When the unit arrives at their destination they are responsible for removing the tags, deactivating them, and securing them for redeployment. Once the unit has returned to home station the tags will be removed, deactivated, and turned in to the supply activity. On the other hand, the tags used for sustainment are turned in when the shipment reaches destination, deactivated, and either used for retrograde shipments or are returned to CONUS for future sustainment shipments.

Glossary

AIS automated information system

AIT automatic identification technology

CONUS continental United States

DEL deployment equipment list

DoD Department of Defense

DS2T Deployment Support and Sustainment Tool

GATES Global Air Transportation Execution System

GTN Global Transportation Network

ITO installation transportation office

ITV in-transit visibility

MACOM major command or major Army command

MCT Movement Control Team

MSL military shipping label

RF radio frequency

TC-ACCIS Transportation Coordinators. Automated Command and Control
Information System

TC-AIMS II Transportation Coordinators' Automated Information for Movements
System II

TCMD transportation movement control document

TCN transportation control number

TIPS Total Asset Visibility Intransit Processing Station

UDL unit deployment list

UMO unit movement officer

UMT unit movement teams

US United States

USAREUR United States Army Europe

USARPAC United States Army Pacific

USFK United States Forces Korea

WPS Worldwide Port System